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TRIBUTARY RIVER BASINS IN TENNESSEE

Delineated as Logical Units for Water-Resources Investigation, Appraisal, Development, and Management

Prepared by

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Cooperatively with
Tennessee Department of Conservation
Division of Water Resources
Raleigh W. Robinson, Director

1963

EXPLANATION

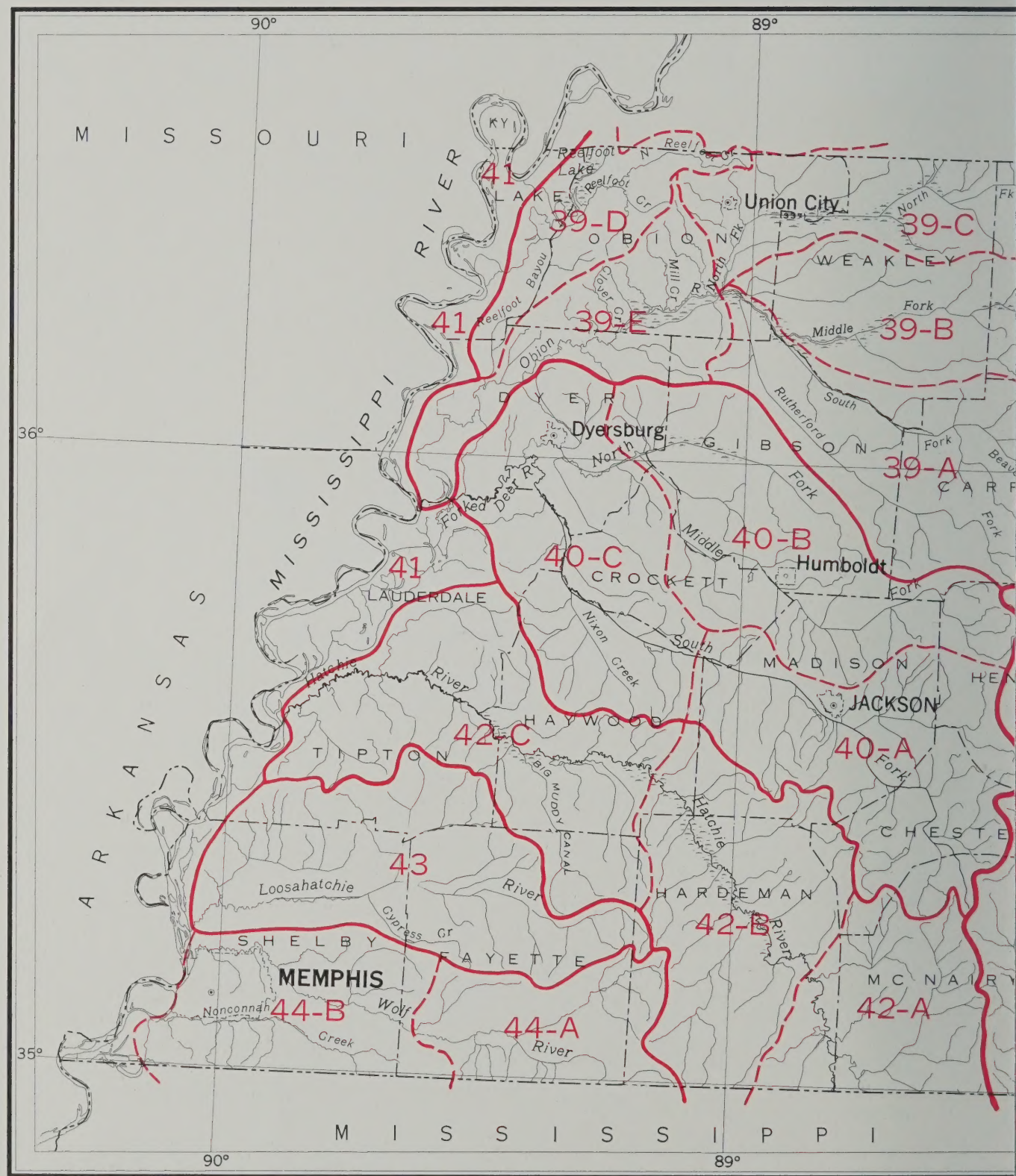
In Tennessee, as in other States, there is a growing awareness of the importance of the river basin or watershed as a logical geographic unit for planning, developing, and managing water resources. For many years, water-resources investigators working in the field of hydrology have recognized the river basin as a logical unit for measurement and appraisal of the water resources.

This map, with its accompanying tabulation, delineates tributary river basins and their subdivisions in Tennessee and shows logical units or systems for water-resources investigation, appraisal, development, and management. Its specific purpose is to present a basin-unit framework from which future water-resources studies can be planned and conducted cooperatively by the State Division of Water Resources and the United States Geological Survey.

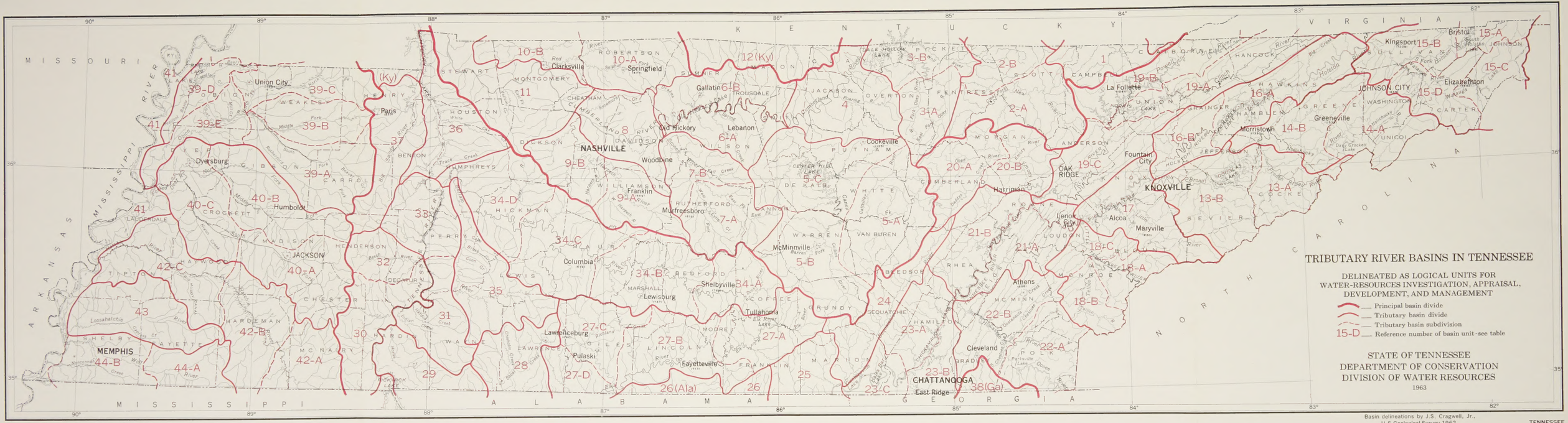
In delineating the basin units the following criteria were considered: (1) A manageable basin size of about 300 to 800 square miles; (2) reasonably homogeneous physiography and geology within a unit; (3) compatibility of units with existing water and conservation projects and organizations already active in the State; and (4) water-related problems such as concentrated population centers and urban and industrial growth trends.

The basins are referenced by number-letter designations on the map. The primary tributaries or groups of tributaries are numbered in a generally downstream direction within the following major river systems: Cumberland River basin, Green River basin (Kentucky), Tennessee River basin, Conasauga River basin (Georgia), and the lower Mississippi River basin in West Tennessee. Subdivisions of the primary tributary basins are designated by number-letter; the letter sequence is generally in a downstream direction within the numbered tributary basin.

The name of each basin unit, its drainage area at the most downstream point of the unit, and the geographic areas in the unit are tabulated in numerical order in the accompanying table.



Base map by U. S. Geological Survey and Tennessee Valley Authority


TRIBUTARY RIVER BASINS IN TENNESSEE
DELINEATED AS LOGICAL UNITS FOR WATER-RESOURCES INVESTIGATION, APPRAISAL, DEVELOPMENT, AND MANAGEMENT
Principal basin divide
Tributary basin divide
Tributary basin subdivision
15-D Reference number of basin unit-see table
STATE OF TENNESSEE
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES
1963
MISSOURI
KENTUCKY
VIRGINIA
ARKANSAS
MISSISSIPPI
ALABAMA
GEORGIA
NORTH CAROLINA
MEMPHIS
NASHVILLE
KNOXVILLE
CHATTANOOGA
OAK RIDGE
JOHNSON CITY
Kingsport
Bristol
Union City
Paris
Dyersburg
Humboldt
Jackson
Clarksville
Springfield
Gallatin
Old Hickory
Lebanon
Woodbine
Franklin
Murfreesboro
Columbia
Lewisburg
Shelbyville
McMinnville
Tullahoma
Lawrenceburg
Pulaski
Fayetteville
Cookeville
La Follette
Fountain City
Harriman
Lenoir City
Alcoa
Maryville
Athens
Cleveland
East Ridge
Greeneville
Morristown
Elizabethton
Basin delineations by J.S. Cragwell, Jr., U.S.Geological Survey,1962
Base map by U. S. Geological Survey and Tennessee Valley Authority
10 0 10 20 30 40 Miles
TENNESSEE

Designations and areas of tributary river basins in Tennessee

No. on map	Basin unit	Drainage area (sq mi)	Geographic area total (sq mi)	Geographic area in Tennessee (sq mi)
	CUMBERLAND RIVER BASIN			
1	Clear Fork and Jellico Creek, Tennessee-Kentucky	501	501	318
2	South Fork Cumberland River, Tennessee-Kentucky	1,382	1,382	978
2-A	New River and Clear Fork	679	679	679
2-B	South Fork Cumberland River Tennessee-Kentucky, head at confluence of New River and Clear Fork to mouth	1,382	703	299
3	Obey River, Tennessee-Kentucky	947	947	783
3-A	East and West Forks Obey River	413	413	413
3-B	Obey River, Tennessee-Kentucky, below East and West Forks	947	534	369
4	Cumberland River minor tributaries between Obey River and Caney Fork	-	795	795
5	Caney Fork	2,586	2,586	2,586
5-A	Caney Fork above Great Falls Dam, excluding Collins River	1,677	885	885
5-B	Collins River	791	791	791
5-C	Caney Fork below Great Falls Dam	2,586	909	909
6	Cumberland River minor tributaries between Caney Fork and Stones River	-	1,060	1,060
6-A	South side (left) tributaries	-	442	442
6-B	North side (right) tributaries	-	618	618
7	Stones River	936	936	936
7-A	East and West Forks Stones River	569	569	569
7-B	Stones River, below East and West Forks	936	368	368
8	Cumberland River minor tributaries between Stones River and Harpeth River	-	574	574
9	Harpeth River	866	866	866
9-A	Harpeth River above Belleview, including Little Harpeth	408	408	408
9-B	Harpeth River below Belleview	866	458	458
10	Red River, Tennessee-Kentucky	1,456	1,456	767
10-A	Upper Red River and Sulphur Fork	935	935	509
10-B	Lower Red River, below Sulphur Fork	1,456	521	258
11	Cumberland River minor tributaries below Harpeth River, to and including Shelby Creek, but excluding Red River	-	995	970
	GREEN RIVER BASIN, KENTUCKY			
12	Barren River basin, Kentucky-Tennessee	2,262	2,262	411
	TENNESSEE RIVER BASIN			
13	French Broad River in Tennessee, except Nolichucky River	5,124	1,168	1,168
13-A	From State line to Nolichucky River	2,598	398	398
13-B	From Nolichucky River to mouth	5,124	770	770
14	Nolichucky River in Tennessee	1,756	1,130	1,130
14-A	From State line to Nolichucky Dam	1,183	557	557
14-B	From Nolichucky Dam to mouth	1,756	573	573
15	South Fork Holston River, Tennessee-Virginia-North Carolina	2,048	2,048	1,223
15-A	Above South Holston Dam, Tennessee-Virginia	703	703	161
15-B	From South Holston Dam to mouth, excluding Watauga River	2,048	476	396
15-C	Watauga River above Watauga Dam, Tennessee and North Carolina	468	468	265
15-D	Watauga River from Watauga Dam, to mouth	869	401	401

Designations and areas of tributary river basins in Tennessee--continued

No. on map	Basin unit	Drainage area (sq mi)	Geographic area total (sq mi)	Geographic area in Tennessee (sq mi)
	TENNESSEE RIVER BASIN--continued			
16	Holston River	3,776	999	999
16-A	From confluence of North and South Forks to Cherokee Dam	3,428	651	651
16-B	From Cherokee Dam to mouth	3,776	348	348
17	Tennessee River minor tributaries, head to Ft. Loudoun Dam	-	650	650
18	Little Tennessee River basin in Tennessee	2,627	1,019	1,009
18-A	State line (Cheoah Dam) to Ninemile Creek and Tellico River	2,097	489	489
18-B	Tellico River	285	285	275
18-C	From above Ninemile Creek to mouth	2,627	245	245
19	Clinch River basin in Tennessee, excluding Emory River	4,413	1,937	1,747
19-A	Clinch River, State line to Norris Dam, excluding Powell River and minor tributaries (west side), Powell R. to Norris Dam.	2,912	701	596
19-B	Powell River, State line to mouth, and minor Clinch tributaries (west side) between Powell River and Norris Dam	1,066	600	515
19-C	Clinch River, Norris Dam to mouth, excluding Emory River	4,413	636	636
20	Emory River basin	865	865	865
20-A	Obed River	520	520	520
20-B	Emory River, excluding Obed River	865	345	345
21	Tennessee River minor tributaries--Ft. Loudoun Dam to Hiwassee River, excluding Little Tennessee and Clinch Rivers	-	1,080	1,080
21-A	South and east side tributaries	-	437	437
21-B	North and west side tributaries	-	643	643
22	Hiwassee River basin in Tennessee	2,700	1,346	1,245
22-A	From Appalachia Dam to below Ocoee River	2,001	647	546
22-B	From below Ocoee River to mouth	2,700	699	699
23	Tennessee River minor tributaries, Hiwassee River to Sequatchie River	-	1,500	846
23-A	North side tributaries to below North Chickamauga Creek	-	380	380
23-B	South side tributaries to below South Chickamauga Creek	-	634	252
23-C	Tributaries, both sides, from below South Chickamauga Creek to Sequatchie River	-	486	214
24	Sequatchie River	605	587	587
25	Battle and Crow Creek basins, Tennessee-Alabama	-	535	326
26	Tennessee River minor tributaries, north side, from below Crow Creek to above Elk River, Tennessee-Alabama	-	2,164	212
27	Elk River basin, Tennessee-Alabama	2,249	2,249	1,999
27-A	Head to above Beans Creek	569	569	569
27-B	From above Beans Creek to above Richland Creek	1,295	726	726
27-C	Richland Creek	488	488	488
27-D	From below Richland Creek to mouth	2,249	466	216
28	Shoal and Bluewater Creeks, Tennessee-Alabama	-	776	504
29	Tennessee River minor tributaries, north and east sides, Shoal Creek to below Horse Creek, Tennessee-Alabama	-	773	387
30	Tennessee River minor tributaries, west side, Pickwick Landing Dam to above Beech River, Tennessee-Alabama	-	650	612
31	Tennessee River minor tributaries, east side, from below Horse Creek to below Cypress Creek	-	534	534

Designations and areas of tributary river basins in Tennessee--continued

No. on map	Basin unit	Drainage area (sq mi)	Geographic area total (sq mi)	Geographic area in Tennessee (sq mi)
	TENNESSEE RIVER BASIN--continued			
32	Beech River	302	302	302
33	Tennessee River minor tributaries, both sides, from below Beech River to below Birdsong Creek	-	468	468
34	Duck River basin, excluding Buffalo River	3,500	2,736	2,736
34-A	Head to below Flat Creek, 2 miles west of Shelbyville	481	481	481
34-B	From below Flat Creek to below Columbia	1,208	727	727
34-C	From below Columbia to Centerville	2,048	840	840
34-D	Centerville to mouth, excluding Buffalo River	3,500	688	688
35	Buffalo River	764	764	764
36	Tennessee River minor tributaries, from below Birdsong Creek to above Big Sandy River on west side and to Kentucky line on east side	-	660	660
37	Big Sandy River	629	629	629
	CONASAUGA RIVER BASIN, GEORGIA			
38	Conasauga River basin, Georgia-Tennessee	727	727	127
	WEST TENNESSEE--LOWER MISSISSIPPI RIVER BASIN			
39	Obion River basin, excluding Forked Deer River, Tennessee-Kentucky	4,551	2,474	2,328
39-A	South Fork Obion River including Rutherford Fork, but excluding Middle Fork, Cane and Mud Creeks	1,161	732	732
39-B	Middle Fork Obion River, and Cane and Mud Creeks	429	429	429
39-C	North Fork Obion River	578	578	491
39-D	Running Reelfoot Bayou	317	317	258
39-E	Obion River from confluence of North and South Forks to mouth, excluding Forked Deer River and Running Reelfoot Bayou	4,551	418	418
40	Forked Deer River basin	2,076	2,076	2,076
40-A	South Fork Forked Deer River above Madison-Haywood County line	680	680	680
40-B	North and Middle Forks Forked Deer River	725	725	725
40-C	Forked Deer River basin excluding 40-A and 40-B	2,076	672	672
41	Mississippi Alluvial Valley in Tennessee, from Kentucky line to Hatchie River, excluding Obion River	-	390	390
42	Hatchie River basin, Tennessee-Mississippi	2,624	2,624	1,890
42-A	Above Searles, including Little Hatchie Creek	1,161	1,161	441
42-B	Searles to Hillsville	1,784	623	610
42-C	Hillsville to mouth	2,624	840	840
43	Loosahatchie River	741	741	741
44	Wolf River and Nonconnah Creek, Tennessee-Mississippi	1,009	1,009	729
44-A	Upper Wolf River, to and including Shaws Creek	562	562	319
44-B	Lower Wolf River and Nonconnah Creek	1,009	446	410

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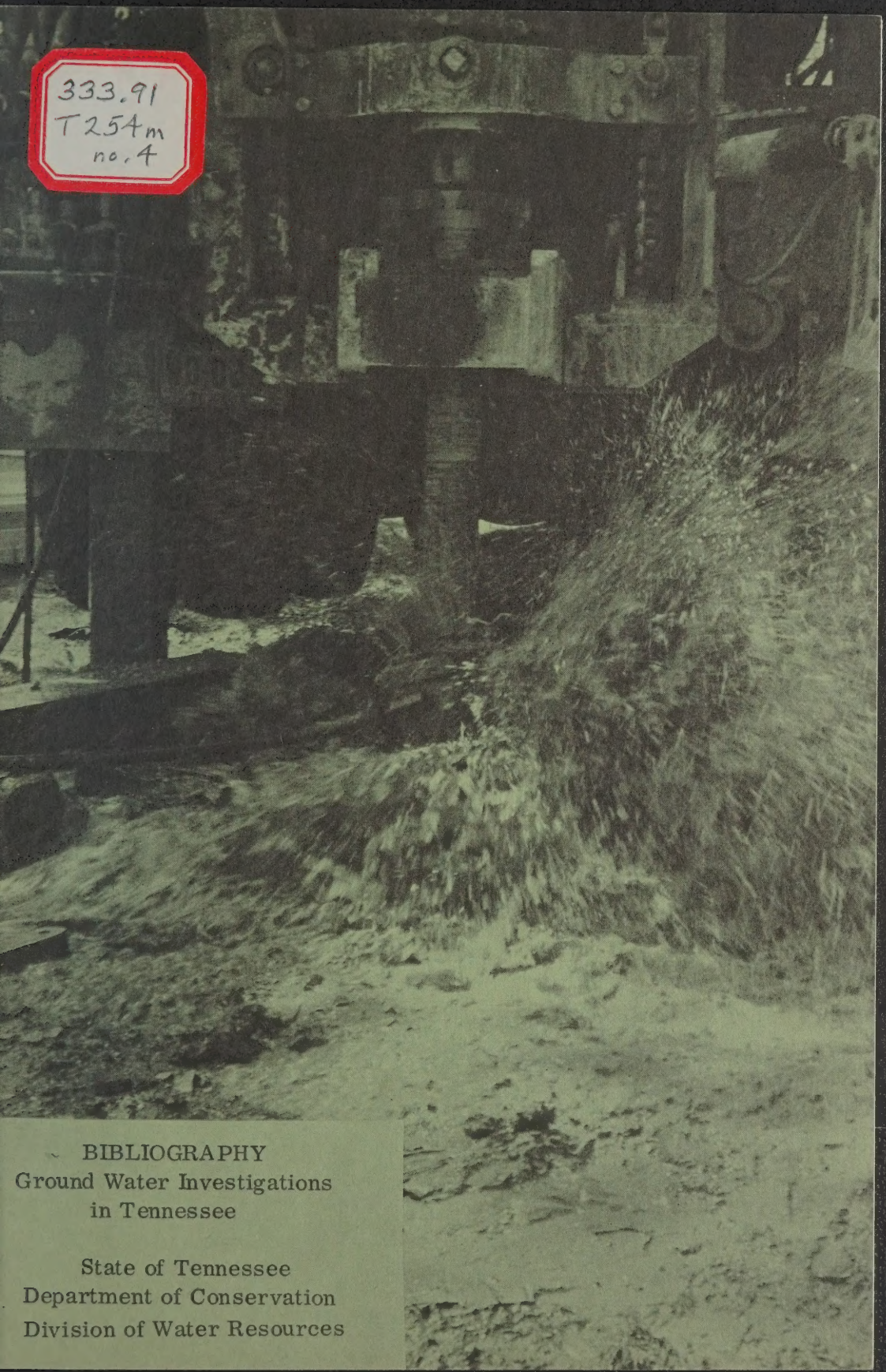

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State of Tennessee
Department of Conservation
Division of Water Resources

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Ground Water Investigations

in

Tennessee

Through July, 1967

Compiled by
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STATE OF TENNESSEE
DEPARTMENT OF CONSERVATION
DIVISION OF WATER RESOURCES
2611 West End Avenue
Nashville, Tennessee 37203

1967

INTRODUCTION

This report is a bibliography of references to ground water in Tennessee. The writer would appreciate notification of any additions or corrections.

Many of the reports listed are out of print, and these are noted by an asterisk (*). Most of the reports listed are available for research at the publishing agency, or at private libraries. A partial list of these follows:

U.S. Geological Survey
Water Resources Division
Room 144
Federal Office Building
Nashville, Tennessee

Tennessee Dept. of Conservation
Division of Water Resources
2611 West End Avenue
Nashville, Tennessee

Tennessee Dept. of Conservation
Division of Geology
G-5 State Office Building
Nashville, Tennessee

Tennessee Dept. of Conservation
Division of Geology
4711 Old Kingston Pike
Knoxville, Tennessee

Vanderbilt University
Science Library
7th Floor
21st Avenue South
Nashville, Tennessee

University of Tennessee
Library
Knoxville, Tennessee

Memphis Public Library
33 S. Front Street
Memphis, Tennessee

Public Library
Chattanooga, Tennessee

Public Library
Nashville, Tennessee

University of Chattanooga
Library
Chattanooga, Tennessee

Austin Peay State College
Library
Clarksville, Tennessee

East Tennessee State College
Library
Johnson City, Tennessee

University of Tennessee
Martin Branch
Library
Martin, Tennessee

University of the South
Library
Sewanee, Tennessee

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The writer wishes to acknowledge the assistance given him by associates in the Tennessee Divisions of Water Resources and Geology, and the U.S. Geological Survy in the compilation of this bibliography.

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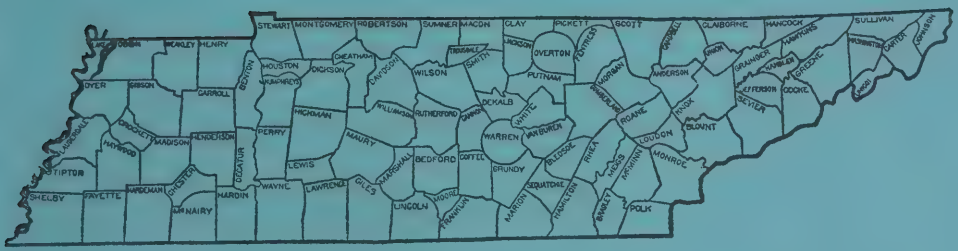
T254m
no.5
1972

TENNESSEE WATER WELL CONTRACTORS

Drillers Licensed To Operate In Tennessee Under

Tennessee Code Annotated 70-2301

August 1971 To August 1972



also including, The Tennessee Drillers Act

State of Tennessee
Department of Conservation
Division of Water Resources

NASHVILLE

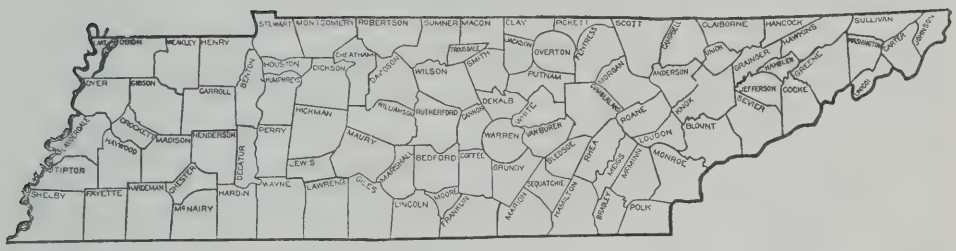
January 15, 1972

STATE OF TENNESSEE

Winfield Dunn, Governor

DEPARTMENT OF CONSERVATION

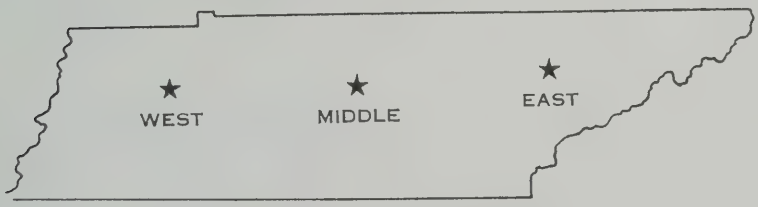
William L. Jenkins, Commissioner



DIVISION OF WATER RESOURCES

Raleigh W. Robinson, Director

TENNESSEE BOARD OF GROUND WATER



Representing West Tennessee

G. H. Mize, Covington

Representing Middle Tennessee

James R. Norman, Clarksville

Representing East Tennessee

George Yardley, Mascot

no. 5
1972

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ALPHABETICAL INDEX OF WATER WELL CONTRACTORS LICENSED TO OPERATE IN TENNESSEE

A

Adams & Bryson, Route 1, Church Hill

Paul S. Agee, Rt. 1, Spring City

American Drilling Co., 2992 Scheibler, Memphis

Anderson & Overman, Route 2, Lexington

Ash Drilling Company, Rt. 5, Lebanon

Atkeison & Frost, Hickory Valley

Arthur Atkins, Route 1, Luttrell

Aylor Well Drilling, Route 1, Puryear

B

Bacon Well Drilling, 2615 Boyce, Chattanooga

Roy H. Baker, Route 4, Morrison

Leon Ball, Route 7, Crossville

Bamco, 1790 Madison Ave., Memphis

Barger Brothers, Route 2, Box 290, Harriman

Ross T. Barry, Route 1, Sewanee

Carmon Belton, Box 4, Halls

A. E. Best, Route 2, Henning

Almus Bledsoe, Route 5, Fayetteville

John H. Bledsoe, Route 4, Pulaski

Thurman Botts, Route 1, Oneida

Melvin T. Boyce, Route 1, Box 315-A, Shelbyville

H. M. Brasewell & Son, Route 2, Newland, N.C.

Brewer & Brewer, Rt. 4, Sneedville

Buhl Soft Water Service, 206 S. 7th, Williamsburg, Ky.

Willie W. Burrow, 1846 Phillip, Lewisburg

C

Caldwell's Well Drilling, Route 1, Hot Springs, N.C.

Clyde Calfee & Sons, Blue Springs Rd., Cleveland

G. E. Calfee, Route 1, White Pine

Willard Calfee, 2221 Spring Place Road, Cleveland

Russell Calvert, Route 6, Scottsville, Ky.

Frank J. Campbell, Highway 100, Whiteville

J. R. Campbell, Route 4, Brownsville

Max Campbell, McKenzie

Carloss Well Supply Company, 111 No. Parkway, Memphis

J. N. Carman, Route 4, Paris

E. V. Carpenter, Route 6, Box 168, Johnson City

R. L. Carpenter, Mt. Pleasant, Miss.

Raymond Carr, Route 1, Hilham

Jack W. Carrington, Box 1672, Jackson

R. L. Carrington, Route 3, Ashland City

Carter & McCall, Rt. 2, Friendsville

Robert Casey, Route 8, Jonesboro

Frank Chupp, Route 1, Spring Hill

Church's Well Drilling, Webb Store Rd., Hornbeak

A. L. Clark, Route 19, French Road, Knoxville

Herman Clark Drilling, Route 1, Rockvale

R. A. Cole, Nashville Highway, Route 2, Milan

Contract Drilling Inc., Rt. 6, Shelbyville

Cooper Brothers Drilling, Route 1, Greenfield

Kernie Cothran, Route 4, Columbia

Crawford Drilling Company, 3846 University, Memphis

D

Dewey Dailey, Route 1, Vonore

Estel W. Dalton, Robbins

James Dalton, Route 2, Box 220, Jamestown

Davidson Well Co., Rt. 2 Atoka

B. S. Davis, Route 2, Waynesboro

D. C. Davis, Route 1, Crossville

Lawrence R. Davis, Rt. 3, Clinton

Richard B. Davis, Route 7, Crossville

Loyd Dearing, Route 1, Sam Lee Road, Concord

William H. Dempsey, Route 3, Whitwell

Hawley Dodson & Son, Box 585, Fayetteville

Drillers, Inc., Box 5291, Johnson City

E

Eatherly & Jackson Drilling Company, Box 297, Lebanon

Pat Eatherly, Box 204, Carthage

Herman Elliott, Route 1, Prospect

Garland England, Route 1, White Bluff

Ensley Well Drilling, Rt. 1, Cleveland

Herbert Etherton, Route 1, Sevierville

F

Con Faires Well Supply, 203 Bunch Street, Corinth, Miss.

Cliff Farmer, Route 11, Knoxville

A. D. Farris, Stearns, Ky.

Earl H. Ferrell, Route 2, Rogersville

Finch & Finch Drilling Company, Hornbeak

Fisher Drilling Company, Route 4, Box 919, Millington

G

Genson Drilling Company, Box A, Newbern

John L. Gillihan, Route 2, Pleasant Shade

Henderson Goin, Harrogate

Gossett, Jones & McMahan, Box 707, Elizabethtown, Ky.

L. L. Green, Route 1, Bruceton

Jehovah Gregory, Route 1, Adolphus, Ky.

S. L. Griffitts, Route 6, Maryville

Grooms Bros. Well Drilling, Route 1, Huntingdon

Billy Gunn, 724 No. 24th Ave., Humboldt

H

H & H Drilling, Rt. 4, Pikeville

Melvin Haley & Son, Route 1, Lewisburg

Hammock Well Drilling, Route 3, Oneida

Glenn Hargis, Gruetli

Denver Hartley, Route 5, Franklin

Roy A. Hatcher & Son, Route 2, Louisville

C. V. Hatchett & Sons, Route 2, Lexington

V. E. Haynes, Route 6, Murfreesboro

R. B. Heater, Cary, N.C.

J. G. Henderson, Route 2, Joelton

W. M. Henry, 1st Ave. No., Franklin

Jack Hickerson, Route 1, Denver

Elbert Hill, Rt. 1, Sweetwater

Holden & Fowlkes, 402 St. John Avenue, Dyersburg

Grant Houston, Route 2, Spring City

Nelson Houston, Route 5, Crossville

Bernley Howard, Route 5, Livingston

Robert B. Howard, 1015 E. Holston, Johnson City

Jack C. Howell, Route 2, Selmer

E. C. Hughett, Route 1, Huntsville

I

Herman Inman, Route 3, Linden

J

Frank Jacobs, Route 4, Manchester

J. F. Jerden, Box 25, Hornbeak

Johnson & Pence, Rock Springs, Ga.

Clyde E. Jones, Route 2, New Market

David Jones, Route 1, Five Points

Jess Jones, Route 2, New Market

Kenneth Jones, Rt. 1, Robbins

Noble Jones, Route 2, Friendship

Joyner & Liggett, 385 Preston, Jackson

K

Sam Keele, Route 2, Tullahoma

Kent's Well Drilling, Route 3, Gallatin

Kirby & Wyrick, Route 3, Friendship

Kittle Drilling Company, Box 23, Ringgold, Georgia

Koger Drilling Co., Route 1, Albany, Ky.

L

Fred Lancaster, Route 8, Columbia

Coy Landers, 508 E. Lane Street, Shelbyville

Laws Bros., Route 2, Harrogate

Charlie Leach & Son, Mayland

Leake Well Co., 90 E. Hillwood, Collierville

Carlie Lewallen, Route 1, Robbins

Frank Lineberry, Route 2, Box 101, Clifton

Fred Lineberry, Route 3, Clifton

Wayne Lineberry, Rt. 3, Clifton

Winfred Lineberry, Clifton

Fred Lomax, Flatwoods

George Long, Route 2, Myers Subdivision, Winchester

Harold Long, Route 2, Myers Subdivision, Winchester

M

M & W Well Drilling, Route 2, Madisonville

Claude Maples Drilling, Route 1, Sevierville

Ralph Maples, Route 1, Sevierville

Samuel H. Marcom, Route 6, Brownsville

Alfred Marks, Route 2, Lebanon

W. G. McCall, Route 3, Lenoir City

Eugene McCarver, Route 1, Medina

McLain & Kerns, Route 4, Church Hill

McMullins Well Drilling, Harkleroad St., Kingsport

Tom McNutt, 5122 Sevierville Pike, Knoxville

J. T. Medlin, Blue Mt., Miss.

Michael Drilling Company, Route 1, Rogersville, Alabama

Miller Drilling Company, Route 5, Lawrenceburg

Deloy Miller, Route 5, Livingston

Samuel Mills & Sons, Route 3, Pikeville

G. H. Mize, Route 3, Covington

Howard C. Moon, Route 2, Byrdstown

Mooneyham Drilling Company, 515 Holt St., Athens

Hyram & Jim Moore, Route 2, Dandridge

C. Jarvis Morelock, 5910 Roseberry Rd., Kingsport

R. D. Morgan, 212 W. Madison Ave., Athens

N

Norman Nealy, Route 3, LaFollette

George Nicholson, Rt. 1, Eads

Noe Bros. Drilling, Route 1, Rutledge

James R. Norman, Route 8, Clarksville

O. L. Norman & Sons, Route 2, Dickson

P

G. B. Page, Route 1, Lebanon

Parker & Jackson, Route 1, Bradford

Gib J. Parrott, Route 19, Hendron Chapel Road, Knoxville

Shaddon Peavyhouse, Route 1, Jamestown

Payne & Wolfe, Rt. 1, Adolphus, Ky.

James E. Perry, Route 3, Ashland City

Phillips Drilling Company, 124 Reynolds Avenue, Dyersburg

Ewell Porter, Route 2, Alamo

R

Bill Ragsdale, Route 3, Trenton

Porter H. Ramsey, Route 4, Livingston

H. O. Reams, Mohawk

Eugene Reed, Route 3, Woodbury

William Reynolds, Jr., Route 2, Milan

Porter B. Rice, Tigrett

John Richardson, Route 2, Box 16, Harrogate

Delbert Ridley, Route 2, Mosheim

Robinson Drilling Co., Rt. 1, Decatur

Jessie Lee Rodgers, Box 142, Gadsden

Royster & McAlpin, Highway 22, Dresden

Howard Rutter, Route 3, Bristol

Ryals Well Company, Rt. 1, Luray

S

Joe Samples, Route 2, White Pine

Avery Sanders, Route 5, Ripley

J. R. Sandifer, Rt. 1, Cumberland Gap

Oscar Satterfield, Lovelace Road, Lenoir City

Sexton Drilling Co., Box 121, Joelton

Ray Shelton, Route 3, Monterey

Doyal Shoemake & Son, Star Route Sequatchie

Siler Hardware Co., Hwy 45 S., Henderson

Singer-Layne Central Division, Box 8066, Memphis

Donald E. Sloop, Rt. 1, Ten Mile

Smith Bros. Drilling, Box 309 Spring City

Bob Smith, 3490 N. Watkins, Memphis

James E. Smith, Box 388, Celina

James P. Smith, Route 7, Crossville

Muril Smith, Rt. 3, Oneida

W. C. Smith, Route 2, Parrottsville

Solomon Drilling Company, Greenwell Drive, Knoxville

J. E. Sorrells, Route 1, Peterburg

Southeastern Well Corp., Rt. 5, Shelby, N.C.

Joe N. Sparks, Route 1, Celina

Starks Bros. Drilling, Almo, Ky.

Lloyd R. Stephenson, 415 W. Forest, Jackson

John R. Stiles, Route 1, Box 89, Kodak

Dave Stinson, Route 3, Hartsville

Harold Stone, Hwy 27, Daisy

Dillon C. Summers, Heiskell

Roscoe Summers, Route 2, Powell

Suttles Well Drilling, 730 Clinton Street, Harriman

J. D. Swanger, 414 Bernard, Greeneville

T

Ray Taylor, Route 5, West Jefferson, N.C.

Raymond Teague, Route 2, LaFollette

Tennessee Drilling Company, Route 1 Kingston Springs

Dee Terry, Route 8, Sevierville

Jack Terry, Route 4, Sevierville

Wilson Thornton, Route 1, Elora

Thorpe Well Supply Co., Route 2, Somerville

William E. Tinnell, Gen. Del., Sweetwater

C. N. Tittsworth, Route 1, McMinnville

V

Valley Pump & Well Supply, Route 1, Concord

R. G. Vincion, Route 2, Shelbyville

W

Jackie B. Walker, Route 1, Lancing

Billy Watkins, Rt. 2, Pinson

Watson Company, Box 16218, Memphis

F. C. Watson, Route 1, LaVergne

Mac Watson, Route 4, Lebanon

Webber & Jones, Route 5, Trenton

Welch Bros. Drilling, Box 182, Tazewell

Well Drilling Co. of America, 502 W. Broadway, Lenoir City

Guy Wilhite, Route 2, New Market

C. B. Wilkinson, Route 2, Box 325, Fairview

Howard Wilkinson, Route 3, Springfield

Wilks Pump & Drill Co., Box 36, Henagar, Alabama

Alvin W. Wilson, Route 4, Jonesboro

Alvis E. Wilson, Route 9, Maryville

Ray Wilson, Route 1, Box 680, Erwin

Robert W. Wilson, Route 3, New Castle Road, Whiteville

Dewey C. Wright, E. King St., Boone, N. C.

Y

George Yardley, Route 1, Mascot

Dean Young, 6857 Standifer Gap Road, Chattanooga

Z

E. L. Ziegler, Route 1, Decatur

WATER WELL DRILLING CONTRACTORS BY COUNTIES

ANDERSON COUNTY

		Phone	
Lawrence R. Davis	Rt. 3, Box 140	457-0245	Clinton

BEDFORD COUNTY

Melvin T. Boyce	Route 2, Box 315-A	684-3955	Shelbyville
Contract Drilling Inc.	Route 6	684-4698	Shelbyville
Coy Landers	508 E. Lane St.	684-5689	Shelbyville
R. G. Vincion	Route 2	——	Shelbyville

BENTON COUNTY

No Drillers Licensed

BLEDSOE COUNTY

H & H Drilling	Route 4	881-3522	Pikeville
Samuel Mills & Sons	Route 3	881-3266	Pikeville

BLOUNT COUNTY

S. L. Griffitts	Route 6	982-8233	Maryville
Roy A. Hatcher & Son	Route 2	982-8619	Louisville
Alvis E. Wilson	Route 9	982-2246	Maryville

BRADLEY COUNTY

Clyde Calfee & Sons	Blue Springs Rd.	476-4761	Cleveland
Willard Calfee	2221 Spring Place Rd.	476-6929	Cleveland
Ensley Well Drilling	Route 1	472-4926	Cleveland

CAMPBELL COUNTY

Norman Nealy	Route 3, Box 250A	——	La Follette
Raymond Teague	Route 2	562-3248	La Follette

CANNON COUNTY

Eugene Reed	Route 3	563-2417	Woodbury

CARROLL COUNTY

Max Campbell	Route 3	352-3671	McKenzie
L. L. Green	Route 1	586-5848	Bruceton
Grooms Brothers	Route 1	986-5106	Huntingdon

CARTER OUNTY

No Drillers Licensed ....

CHEATHAM COUNTY

R. L. Carrington	Route 3	255-1797	Ashland City
James E. Perry	Route 3	792-4350	Ashland City
Tennessee Drilling Co.	Route 1	352-2422	Kingston Springs

CHESTER COUNTY

Siler Hdw. Co.	Hwy. 45S	989-2638	Henderson
Billy Watkins	Route 2	989-2056	Pinson

CLAIBORNE COUNTY

		Phone	
Henderson Goin	———	869-2515	Harrogate
Laws Bros. Drlg.	Route 2	869-2184	Harrogate
John Richardson	Route 2, Box 16	869-2540	Harrogate
J. R. Sandifer	Route 1	869-3529	Cumberland Gap
Welch Bros. Drilling	Box 182	626-5302	Tazewell

CLAY COUNTY

James E. Smith	Box 388	243-2521	Celina
Joe N. Sparks	Route 1	243-2114	Celina

COCKE COUNTY

W. C. Smith	Route 2	623-7627	Parrottsville

COFFEE COUNTY

Roy H. Baker	Route 4	728-3716	Morrison
Frank Jacobs	Route 4	728-7292	Manchester
Sam Keele	Route 2, Box 64	455-2740	Tullahoma

CROCKETT COUNTY

Noble Jones	Route 2	677-2764	Friendship
Kirby & Wyrick	Route 3	677-2852	Friendship
Ewell Porter	Route 2	696-2688	Alamo
Jessie Lee Rodgers	Box 142	784-4049	Gadsden

CUMBERLAND COUNTY

Leon Ball	Route 7	484-5359	Crossville
D. C. Davis	Route 1	484-2495	Crossville
Richard B. Davis	Route 7	484-5834	Crossville
Nelson Houston	Route 5	484-4161	Crossville
Charlie Leach & Son	———	———	Mayland
James Red Smith	Route 7, Box 398	484-4013	Crossville

DAVIDSON COUNTY

J. G. Henderson	Route 2	766-2295	Joelton
Sexton Drilling Co.	Box 121	746-3395	Joelton

DECATUR COUNTY

No Drillers Licensed

DEKALB COUNTY

No Drillers Licensed

DICKSON COUNTY

Garland England	Route 1	797-9451	White Bluff
O. L. Norman & Sons	Route 2	446-2545	Dickson

DYER COUNTY

Genson Drilling Co.	Box A	627-2705	Newbern
Holden and Fowlkes	402 St. John	285-9975	Dyersburg
Phillips Drilling Co.	124 Reynolds Ave.	285-1701	Dyersburg
Porter B. Rice	———	677-2553	Tigrett

FAYETTE COUNTY

		Phone	
Thorpe Well Sply. Co.	Route 2	465-3515	Somerville

FENTRESS COUNTY

James W. Dalton	Route 2, Box 220	879-8661	Jamestown
Shaddon Peavyhouse	Route 1	879-4570	Jamestown

FRANKLIN COUNTY

George Long	Route 2, Myers Subd.	967-1208	Winchester
Harold Long	Route 2, Myers Subd.	967-2906	Winchester

GIBSON COUNTY

R. A. Cole	Nashville Hwy.	686-3605	Milan
Billy Gunn	724 N. 24th Ave.	784-3892	Humboldt
Parker & Jackson	Route 1	742-3320	Bradford
Bill Ragsdale	Route 3	855-0934	Trenton
William Reynolds, Jr.	Route 2	742-2829	Milan
Webber & Jones	Route 5	855-1668	Trenton

GILES COUNTY

John H. Bledsoe	Route 4	363-3806	Pulaski
Herman Elliott	Route 1	862-5450	Prospect

GRAINGER COUNTY

Noe Bros. Drilling Co.	Route 1	828-3625	Rutledge

GREENE COUNTY

H. O. Reams	———	586-6274	Mohawk
Delbert Ridley	Route 2	422-4609	Mosheim
J. D. Swanger	414 Bernard	638-7172	Greeneville

GRUNDY COUNTY

Glenn Hargis	———	779-3780	Gruetli

HAMBLEN COUNTY

No Drillers Licensed

HAMILTON COUNTY

Bacon Well Drilling	2615 Boyce St.	622-4623	Chattanooga
Harold Stone	Hwy. 27	332-3859	Daisy
Dean Young	6857 Standifer Gap R.	892-1497	Chattanooga

HANCOCK COUNTY

Brewer & Brewer Dril'g.	Route 4	733-8553	Sneedville

HARDEMAN COUNTY

		Phone	
Atkeison & Frost	West Main	764-2891	Hickory Valley
Frank J. Campbell	Box 312	254-8176	Whiteville
Robert W. Wilson	Route 3	254-8150	Whiteville

HARDIN COUNTY

No Drillers Licensed

HAWKINS COUNTY

Adams & Bryson	Route 1	357-6258	Church Hill
Earl H. Ferrell	Route 2	456-8414	Rogersville
McLain & Kerns	Route 4	357-6693	Church Hill

HAYWOOD COUNTY

J. R. Campbell	Route 4	772-0630	Brownsville
S. H. Marcom	Route 6	772-0249	Brownsville

HENDERSON COUNTY

Anderson & Overman	Route 2	968-6902	Lexington
C. V. Hatchett & Sons	Route 2	968-3492	Lexington
Ryals Well Co.	Route 1	989-4407	Luray

HENRY COUNTY

Aylor Well Drilling	Route 1	247-5556	Puryear
J. N. Carman	Route 4	642-9638	Paris

HICKMAN COUNTY

No Drillers Licensed

HOUSTON COUNTY

No Drillers Licensed

HUMPHREYS COUNTY

Jack Hickerson	Route 1	535-2226	Denver

JACKSON COUNTY

No Drillers Licensed

JEFFERSON COUNTY

G. E. Calfee	Route 1	674-2519	White Pine
Clyde E. Jones	Route 2	475-3710	New Market
Jess Jones	Route 2	475-4506	New Market
Hyram & Jim Moore	Route 2	397-2351	Dandridge
Joe Samples	———	674-2996	White Pine
Guy Wilhite	Route 2	475-3784	New Market

JOHNSON COUNTY

No Drillers Licensed

KNOX COUNTY

		Phone	
A. L. Clark	Route 19	577-8677	Knoxville
Loyd Dearing	Route 3, Sam Lee Dr.	693-2594	Concord
Cliff Farmer	Route 11	——	Knoxville
Tom McNutt	5122 Sevierville Pk.	577-0203	Knoxville
Gibb J. Parrott	R. 19, H'dn Chap. Rd.	577-6082	Knoxville
Solomon Drilling Co.	Greenwell Dr.	947-7424	Knoxville
Dillon C. Summers	———	747-7415	Heiskell
Roscoe Summers	Route 2	945-2742	Powell
Valley Pump & Supply	Route 1	588-2447	Concord
George Yardley	Route 1	933-4998	Mascot

LAKE COUNTY

No Drillers Licensed

LAUDERDALE COUNTY

Carmon Belton	Box 4	234-7144	Halls
A. E. Best	Route 2	635-2069	Henning
Avery Sanders	Route 5	635-2488	Ripley

LAWRENCE COUNTY

David Jones	Route 1	852-2066	Five Points
Miller Drilling Co.	Route 5	762-7548	Lawrenceburg

LEWIS COUNTY

No Drillers Licensed

LINCOLN COUNTY

Almus Bledsoe	Route 5	433-5293	Fayetteville
Hawley Dodson & Son	Box 585	433-4201	Fayetteville
J. E. Sorrells	Route 1	659-7355	Petersburg
Wilson Thornton	Route 1	469-7453	Elora

LOUDON COUNTY

Carter & McCall Drls.	Box 141, Rt. 2	986-3683	Friendsville
W. G. McCall	Route 3	986-7731	Lenoir City
Oscar Satterfield	Route 5	693-2449	Lenoir City
Well Drill. Co., America	502 W. Broadway	986-5777	Lenoir City

MACON COUNTY

No Drillers Licensed

MADISON COUNTY

Jack W. Carrington	Box 1672	424-0132	Jackson
Joyner & Liggett	385 Preston	427-0359	Jackson
Eugene McCarver	Route 1	427-5991	Medina
Lloyd R. Stephenson	415 West Forest	427-1145	Jackson

MARION COUNTY

		Phone	
Ross T. Barry	Route 1	598-5528	Sewanee
William H. Dempsey	Route 3	658-5691	Whitwell
Doyal Shoemake & Son	Star Rte., Box 49	492-3382	Sequatchie

MARSHALL COUNTY

Willie W. Burrow	1846 Phillip	359-3181	Lewisburg
Melvin Haley & Son	Route 1	359-1807	Lewisburg

MAURY COUNTY

Frank Chupp	Route 1	486-2321	Spring Hill
Kernie Cothran	Route 4	388-4173	Columbia
Fred Lancaster	Route 8	388-8358	Columbia

McMINN COUNTY

Mooneyham Drilling Co.	515 Holt St.	745-1517	Athens
R. D. Morgan	212 W. Madison Ave.	745-4542	Athens

McNAIRY COUNTY

Jack C. Howell	Route 2	645-6125	Selmer

MEIGS COUNTY

Robinson Drilling Co.	Route 1	334-3357	Decatur
Donald E. Sloop	Route 1	——	Ten Mile
E. L. Ziegler	Route 1	334-5566	Decatur

MONROE COUNTY

Dewey Dailey	Route 2	264-2482	Vonore
Elbert Hill	Route 1	337-7729	Sweetwater
M & W Well Drilling	General Delivery	——	Sweetwater
William E. Tinnell	Route 2	442-3719	Madisonville

MONTGOMERY COUNTY

James R. Norman	Route 8	645-4361	Clarksville

MOORE COUNTY

No Drillers Licensed

MORGAN COUNTY

Jackie B. Walker	Route 1	——	Lancing

OBION COUNTY

Church's Well Drilling	Webb Store Road	538-2497	Hornbeak
Finch & Finch Drilling	Highway 21	538-2207	Hornbeak
Jerden & Son Drilling	Box 22	538-2333	Hornbeak

OVERTON COUNTY

Raymond Carr	Route 1	268-0156	Hilham
Bernley Howard	Route 5	823-5471	Livingston
Deloy Miller	Route 5	823-7333	Livingston
Porter Ramsey	Route 4	823-2762	Livingston

PERRY COUNTY

		Phone	
Herman Inman	Route 3	589-2439	Linden
Fred Lomax	———	589-2824	Flatwoods

PICKETT COUNTY

Howard C. Moon	Route 2	864-3884	Byrdstown

POLK COUNTY

No Drillers Licensed

PUTNAM COUNTY

Ray Shelton	Route 3	839-2920	Monterey

RHEA COUNTY

Paul S. Agee	Route 1, Box 203	365-6973	Spring City
Grant Houston	Route 2	365-6220	Spring City
Smith Bros. Drilling	Box 309	365-5590	Spring City

ROANE COUNTY

Barger Bros. Drilling	Route 2, Box 290	882-9496	Harriman
Suttles Well Drilling	730 Clinton St.	882-6834	Harriman

ROBERTSON COUNTY

Howard Wilkinson	Route 3	384-8219	Springfield

RUTHERFORD COUNTY

Herman S. Clark	Route 1	274-6464	Rockvale
V. E. Haynes	Route 6	896-1267	Murfreesboro
F. C. Watson	Route 1	793-2421	LaVergne

SCOTT COUNTY

Thurman Botts	Route 1	663-2494	Oneida
Estel W. Dalton	Route 1	628-4843	Robbins
Virgil Hammock	Route 3	569-8167	Oneida
E. C. Hughett	Route 1	663-2620	Huntsville
Kenneth Jones	Route 1, Box 98	627-6753	Robbins
Carlie Lewallen	Route 1	627-6713	Robbins
Muril Smith	Route 3, Box 48	569-8942	Oneida

SEQUATCHIE COUNTY

No Drillers Licensed

SEVIER COUNTY

Herbert Etherton	Route 1	453-5642	Sevierville
Claude Maples	Route 1	453-4437	Sevierville
Ralph Maples	Route 1	453-7614	Sevierville
John R. Stiles	Route 1, Box 89	933-2241	Kodak
Dee Terry	Route 8	453-5013	Sevierville
Jack Terry	Route 4	453-2858	Sevierville

SHELBY COUNTY

		Phone	
American Drilling Co.	2992 Scheibler Rd.	386-3178	Memphis
Bamco	1790 Madison Ave.	278-6450	Memphis
Carloss Well Supply	111 North Pkwy.	526-1141	Memphis
Crawford Drilling Co.	3846 University	357-5505	Memphis
Fisher Drilling Co.	Route 4, Box 919	357-5928	Millington
Leake Well Co.	90 E. Hillwood Ln.	853-2382	Collierville
George Nicholson	Rt. 1, Box 103	853-8314	Eads
Singer-Layne Cent. Div.	Box 8066	274-2324	Memphis
Bob Smith	3490 North Watkins	357-0469	Memphis
Watson Company	Box 16218	391-2361	Memphis

SMITH COUNTY

Pat Eatherly	Box 204	735-9600	Carthage
John L. Gillihan	Route 2	774-2286	Pleasant Shade

STEWART COUNTY

No Drillers Licensed

SULLIVAN COUNTY

McMullins Well Dril'g.	Harkleroad St.	288-5257	Kingsport
C. Jarvis Morelock	5910 Roseberry	349-7773	Kingsport
Howard Rutter	Route 3	764-2374	Bristol

SUMNER COUNTY

Kent's Well Drilling	Route 3	452-5279	Gallatin

TIPTON COUNTY

Davidson Well Co.	Rt. 2, Box 274	837-8532	Atoka
G. H. Mize	Route 3	476-6297	Covington

TROUSDALE COUNTY

Dave Stinson	Route 3	374-2554	Hartsville

UNICOI COUNTY

Ray Wilson	Route 1, Box 680	743-6476	Erwin

UNION COUNTY

Arthur Atkins	Route 1	——	Luttrell

VAN BUREN COUNTY

No Drillers Licensed

WARREN COUNTY

C. N. Tittsworth	Route 1	668-4375	McMinnville

WASHINGTON COUNTY

		Phone	
E. V. Carpenter	Route 6, Box 168	542-6471	Johnson City
Robert Casey	Route 8	753-3691	Jonesboro
Drillers, Inc.	Box 5291	928-4233	Johnson City
Robert B. Howard	1015 E. Holston	928-4526	Johnson City
Alvin W. Wilson	Route 4	477-7513	Jonesboro

WAYNE COUNTY

B. S. Davis	Route 2	722-2986	Waynesboro
Frank Lineberry	Route 2, Box 101	676-3415	Clifton
Fred Lineberry	———	676-3421	Clifton
Wayne Lineberry	Route 3	——	Clifton
Winfred Lineberry	———	676-3616	Clifton

WEAKLEY COUNTY

Cooper Brothers	Route 1	235-3637	Greenfield
Royster & McAlpin	Highway 22	364-3476	Dresden

WHITE COUNTY

No Drillers Licensed

WILLIAMSON COUNTY

Denver Hartley	Route 5, Box 288	395-4978	Franklin
Woodrow M. Henry	1st Ave. North	794-1784	Franklin
C. B. Wilkinson Co.	Route 2, Box 325	799-2457	Fairview

WILSON COUNTY

Ash Drilling	Route 5	444-0276	Lebanon
Eatherly and Jackson	Box 297	444-0423	Lebanon
Alfred Marks	Route 2	444-9192	Lebanon
G. B. Page	Route 1	444-5406	Lebanon
Mac Watson	Route 4	444-0630	Lebanon

OUT-OF-STATE-DRILLERS

LICENSED TO OPERATE IN TENNESSEE

Hugh M. Braswell & Son	Route 2, Box 235	733-2602	Newland, N. C.
Buhl Soft Water Serv'e	206 S. 7th	549-3271	Williamsburg, Ky.
Caldwell's Well Dril'g	Route 1	622-3484	Hot Springs, N. C.
Russell Calvert	Route 6	622-4184	Scottsville,Ky.
R. L. Carpenter	———	851-4904	Mt. Pleasant, Miss.
Con Faires	203 Bunch St., Bx 707	286-6835	Corinth, Miss.
Farris Drilling Co.	Box 181	376-5774	Stearns, Ky.
Gossett, Jones, McMahan	Box 707	769-3721	Elizabethtown, Ky.
Jehovah Gregory	Route 1	622-4299	Adolphus, Ky.
Heater Well Co.	Box 549	467-6141	Cary, N. C.
Johnson & Pence	Route 1	764-1182	Rock Springs, Ga.
Kittle Drilling Co.	Box 23	935-2831	Ringgold, Ga.
Koger Drilling Co.	Route 1	387-5646	Albany, Ky.
J. T. Medlin	Route 1	685-4414	Blue Mt. Miss.
Michael Drilling Co.	Route 1	247-5531	Rogersville, Ala.
Payne & Wolfe Dril'g.	Route 1	622-5511	Adolphus, Ky.
Southeastern Well C'p.	Route 5	482-2466	Shelby, N. C.
Starks Drilling Co.	Route 1	753-1937	Almo, Ky.
Ray Taylor	Route 5, Box 123	246-6431	W. Jefferson, N.C.
Wilks Pump & Drill Co.	Box 36	657-3211	Henagar, Ala.
Dewey C. Wright	E. King St.	264-2651	Boone, N. C.

TENNESSEE DRILLERS ACT
CHAPTER 23 OF TITLE 70, TENNESSEE CODE ANNOTATED: 70-2301 ET, SEQ.

AN ACT to provide a system of reporting information concerning the drilling of water wells, the results of water wells drilled in this state, to provide for the licensing of water well drillers, providing for the promulgation and publication of rules and regulations to effectuate the provisions of this Act, creating an advisory board to be known as the board of ground water resources, providing for the qualification, appointment and removal of board members, and the filling of vacancies and fixing their tenure of office, to make violation of this act a misdemeanor, and providing penalties for violation of this act.

Section 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF TENNESSEE, That the following words as used in this Act shall have the meaning as indicated:

(a) "Well" means a hole drilled, re-drilled or dug into the earth by boring or otherwise, for the production of water.

(b) "Person" means any individual, organization, group, association, partnership, corporation, or any combination of them.

(c) "Log" means a record of the geological formations penetrated in the drilling of a water well.

(d) "Commissioner" means the Commissioner of Conservation of the State of Tennessee.

(e) "Driller" means any person who manages or supervises the digging, drilling or re-drilling of a water well.

SECTION 2. BE IT FURTHER ENACTED, That every person who intends to drill or dig a water well within the State of Tennessee shall annually obtain from the State of Tennessee a water well driller's license, and in order to obtain said license, shall file with the Commissioner, on or before July 31, of each year, on a form to be made available by the Commissioner, the following information.

(1) The name under which said "person" is doing business in this state.

(2) The office, address or principal place of business of said person.

(3) Such other information as the Commissioner may deem reasonable and necessary.

Any person, upon filing said report, shall pay an annual fee of One Hundred ($100.00) Dollars to the Commissioner of Conservation, and the payment of said fee shall be in lieu of any additional State or County privilege tax and shall entitle said person to the full and complete privileges of drilling water wells, as provided in Section 70-2301 through Section 70-2310, Tennessee Code Annotated, in the State of Tennessee and the Commissioner shall issue a license, for a period not to exceed one (1) year.

SECTION 3. BE IT FURTHER ENACTED, That it shall be unlawful, and a violation of this act, for any person to drill or dig a water well within the State of Tennessee, unless the following provisions are complied with:

(a) The driller of the water well shall be licensed as provided in Section 2 of this Act.

(b) The driller shall at all times during the drilling of a water well keep posted in a conspicuous location, at or near the well being drilled, the appropriate certificate as furnished by the Commissioner.

(c) The driller of the well, within thirty (30) days after completion of the drilling of each water well, shall deliver to the Commissioner upon forms to be supplied by the Commissioner, a "Report of Well Driller" to contain the following information.

1. The name and address of the person for whom the water well was drilled.

2. The location of the water well.

3. The date upon which the well was completed.

4. The "Log" of the well, however, upon request of the driller such information shall be treated as confidential and may only be used in the preparation of reports and studies which do not identify or locate the particular well.

SECTION 4. BE IT FURTHER ENACTED, That it shall be unlawful to operate any equipment or machinery in the drilling of a water well unless the overall operation is at all times under the supervision and management of a licensed water well driller as provided for in this Act.

SECTION 5. BE IT FURTHER ENACTED,

(a) A license may be refused, or a license duly issued may be suspended or revoked, or the renewal thereof refused by the Commissioner if, after notice and hearing as hereafter provided, he finds that the applicant for, or holder of such license:

(1) Has intentionally made a material misstatement in the application for such license, or

(2) Has wilfully violated any provision of this Act, or

(3) Has obtained, or attempted to obtain, such license by fraud or misrepresentation.

(4) Has been guilty of fraudulent or dishonest practices.

(5) Has demonstrated lack of competence as a driller of water wells.

(b) Before any license shall be refused or suspended or revoked or the renewal thereof refused hereunder the Commissioner shall give notice of his intention so to do by registered mail, to the applicant for, or holder of such license and shall set a date not less than twenty (20) days from the date of mailing such notice when the applicant or licensee may appear to be heard and produce evidence. In the conduct of such hearing, the Commissioner or any regular salaried employee specially designated by him for such purpose, shall have power to administer oaths, to require the appearance of and examine any person under oath, and to require the production of books, records, or papers relevant to the inquiry upon his own initiative or upon the request of the applicant or licensee. Upon termination of such hearing the findings shall be reduced to writing and upon approval by the Commissioner, shall be filed in his office and notice of the findings sent by registered mail to the applicant or licensee concerned.

(c) No licensee whose license has been revoked hereunder shall be entitled to file another application for a license as a water well driller within one (1) year from the effective date of such revocation or, if judicial review of such revocation is sought, within one (1) year from the date of final Court order or decree affirming such revocation. Such

application, when filed, may be refused by the Commissioner unless the applicant shows good cause why revocation of his license shall not be deemed a bar to issuance of a new license.

SECTION 6. BE IT FURTHER ENACTED, That any person aggrieved by any act or decision of the Commissioner may, within thirty (30) days appeal to the Circuit or Chancery Court of the county in which the aggrieved party resides and the matter shall be heard de novo.

SECTION 7. Be IT FURTHER ENACTED, That the Commissioner is authorized and directed to make, promulgate and publish such rules and regulations as he deems deasonable and necessary to effectuate and carry out the purposes and provisions of this Act, and that a true copy of such rules and regulations be on file with the Secretary of State, and copies thereof be made available for public distribution. In order to advise and assist the Commissioner in the preparation of these rules and regulations, there is hereby created and established an advisory board to be known as the Board of Ground Water Resources, consisting of five members, including the Commissioner of Conservation and the Director of Water Resources of the State of Tennessee who shall be ex officio members of said Board, and three persons actively engaged in the drilling of water wells, and one of whom shall be resident of each of the three (3) geographical grand divisions of the State, and shall be appointed by the Governor for terms of three (3) years each. The first well driller appointed to said Board from Middle Tennessee shall serve for a term of three (3) years from and after the date of appointment. The first well driller appointed to said Board from East Tennessee shall serve for a term of two years (2) years from and after date of appointment. The first well driller appointed to said Board from West Tennessee shall serve for a term of one (1) year from and after the date of appointment. Thereafter, upon the expiration of the term of any members of the Board engaged in well drilling, a successor shall be appointed by the Governor for a term of three (3) years, the appointees shall be residents of Tennessee, and holders of certificates as well drillers issued under this chapter or prior acts, and each appointee shall have been actively engaged in well drilling in this State for not less than five (5) years next preceding his appointment.

Any vacancy on the Board which may occur from any cause shall be filled by appointment by the Goxernor for the unexpired term in the same manner as regular appointments are made, and the dates of tenure of office as herein provided shall be maintained.

The Commissioner of Conservation shall serve as Chairman and the Director of Water Resources shall serve as Secretary of said Board which shall meet at least once annually at a time and place determined by the Board and a quorum shall consist of three (3) members of the Board. The Board members shall be paid those travel and hotel expenses reasonable and necessary to attend meetings of the Board.

SECTION 8. BE IT FURTHER ENACTED, That it is the intent of the General Assembly that this Act applies solely to wells drilled for the production of water and has no application to wells or holes drilled, augured, cored, or dug for quarry blast holes or mineral prospecting, or any purpose other than water production. Nor shall it apply to any resident of Tennessee who personally digs a water well at his own place of residence for his use and the use of his family.

SECTION 9. BE IT FURTHER ENACTED, That any and all moneys paid in compliance with the provisions of this Act, shall be made

payable to the Treasurer of the State of Tennessee, and shall be used for the enforcement of this Act.

SECTION 10. BE IT FURTHER ENACTED, That any person who shall violate any of the provisions of this Act shall be guilty of a misdemeanor, and shall be punished by a fine of not less than $25.00 nor more than $100.00.

SECTION 11. BE IT FURTHER ENACTED, That the provisions of this Act are severable, and if any portion thereof be held invalid by any Court of competent jurisdiction, the decision of the Courts shall not affect the validity of the Act as a whole or any part thereof.

SECTION 12. BE IT FURTHER ENACTED, That this Act shall take effect from and after its passage, the public welfare requiring it.

(Effective Date of Law: March 28, 1963)

RULES AND REGULATIONS APPLIED TO TENNESSEE CODE ANNOTATED: 70-2301 ET. SEQ.

By authority of Chapter 23 of Title 70, Tennessee Code Annotated: 70-2301, et. seq. (Drillers Act), and in accordance with Chapter 5, Title 4, Tennessee Code Annotated: Administrative Regulations and Orders, the Commissioner of Conservation makes the following rules and standards to effect the orderly development of the underground water resources of Tennessee. And to effectively administer these regulations it is the purpose of the Department of Conservation to define the function of a water well drilling contractor as his work involves the developing of underground water for public use. The definition is: A water well contractor is responsible for the developing of a ground water source by drilling, digging, boring, auguring, or whatever method he devises to intercept a source of water for use by the public. *The scope of water well contractor's work includes but does not require the connecting of the water source to an outlet which will make the water usable for the customer.*

1. Any water well contractor who intends to enter the business of developing ground water supplies in Tennessee must present himself before the Commissioner of Conservation or his delegated agent, and must demonstrate his capacity to operate and supervise the operation of equipment for the purpose of developing ground water supplies. The applicant must be prepared to answer questions that are pertinent to the examination, which is for the purpose of evaluating the applicant's ability to conduct a business of ground water development. This examination may be oral, and also include a field examination or demonstration of the applicant's ability to operate equipment for the developing of wells.

2. Meetings of the Board of Ground Water shall be held quarterly, beginning January 15 of each year, for the purpose of licensing applicants who have applied for water well driller licenses. Applications for a driller license shall be filed at least 30 days prior to a stated meeting which will be held on or about January 15, April 15, July 15, and October 15 of each year. Hearings for the purpose of license renewals, suspensions, revocations or refusals shall also be set on the above dates.

3. For the purpose of protecting ground water resources from contamination, and in the interest of the public who depends on the well contractor to supply a water of reasonable quality, and for the purpose of protecting the public health, the following standards are prescribed by

the Commissioner. The driller shall not be held responsible for the original quality or quantity of the water he is attempting to develop, but he should attempt to develop the most favorable water-bearing zone and discourage the use of water of doubtful quality within the normal realm of his transaction with the customer.

(A) New galvanized or new black steel casing, weighing a minimum of approximately 11 pounds per linear foot (6¼ inch ID, plain end), or other weights for lesser-diameter casing as prescribed by the Commissioner, shall be installed where the purpose of the casing is to seal off surface, near-surface or deeper contaminants or where the purpose is to retain the wall of the well in addition to repelling outside contaminants. In wells where bedrock occurs as a definable unit the casing shall be set into bedrock, and sealed below all crevices that would normally release water of inferior quality into the well; except, this is not intended to penalize the contractor who in his best judgment develops a well that may later become muddy or otherwise undesirable as the result of water of unfavorable quality that may enter the well after its completion, providing that the contractor has demonstrated competency in the discretion of the Commissioner. (First sentence amended as stated)***

(B) In areas where the local geologic and hydrologic conditions favor the developing of ground water supplies from what is commonly referred to as overburden, the well shall be developed by casing, liner, packing, or screen so as to repel the inflow of extraneous material which might render the well useless.

(C) In areas underlain by unconsolidated geologic formations where plastic-type materials can be used with satisfactory results in the developing of water wells, this regulation shall apply. All plastic-type materials used in the construction of water wells or in the installation of pumps and service lines shall bear the seal of approval of the National Sanitation Foundation (NSF). Well-casing shall conform to the U. S. Department of Commerce standard (CS 255 & 256-63), with a minimum stress design rating of 26(SDR26). Pump drop lines and service lines shall conform to the U. S. Department of Commerce standard CS 207-60. The annual space between the casing and the wall of the well shall be backfilled to the surface with a suitable material such as sand, so that the backfill material will remain level with the surface. (Last sentence amended as stated)***

*(D) All water used during the drilling of a well shall be treated with a chlorine solution, and at the completion of the drilling or well construction the well shall again be treated with a chlorine solution.

(E) In the event of emergency, or for other reasons that may be considered reasonable and necessary, the Commissioner may authorize the developing of a well, or the use of materials in the developing of a well which are not specifically stated.

*(F) It shall be the duty of the developer of a ground water supply, or the person attempting develop a fuel or mineral resource by underground exploration, to seal off salt water, oil, gas, or any other fluid or material which might contaminate a source of fresh water.

*(G) In areas where consolidated formations such as limestone, sandstone, and shale occur within 20 feet of the surface, casing (as defined in Regulation 3-A) must be set to a minimum depth of 20 feet below the surface

**(H) Air rotary drilling equipment used in the developing of ground water sources shall be equipped with a pump for the injecting of a minimum of 3 gallons per minute of water. This injection equipment shall be used during the course of drilling for water.

**(I) Wells drilled for water and abandoned for any reason shall be properly projected for the purpose of maintaining the original quality of the ground water source. The abandonment shall be done in a manner prescribed by the Division of Water Resources. The Division of Water Resources may also recommend the abandoning of a well if in its opinion the well is contaminating a usable source of ground water.

Rules and Regulations adopted and filed with the Office of the Secretary of State, State of Tennessee: June 21, 1965

*Adopted and filed, September 15, 1967
**Adopted and filed, September 25, 1968
***Adopted and filed, November 13, 1970

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no. 6

SUMMARY OF

GROUND WATER DATA

FOR TENNESSEE,

THROUGH MAY, 1971

Compiled by:

John M. Wilson

and

John Michael Kernodle

MISCELLANEOUS PUBLICATION NUMBER 6

STATE OF TENNESSEE

DEPARTMENT OF CONSERVATION

DIVISION OF WATER RESOURCES

2611 WEST END AVE.

NASHVILLE, TENNESSEE

1971

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STATE OF TENNESSEE

WINFIELD DUNN, Governor

Department of Conservation
WILLIAM L. JENKINS, Commissioner

Division of Water Resources
RALEIGH W. ROBINSON, Director
2611 West End Ave., Nashville, Tenn. 37203
615 - 741-2572

SUMMARY OF

GROUND WATER DATA

FOR TENNESSEE,

THROUGH MAY, 1971

Preparation and publication of this report was supported in part by grants from the Federal Water Resources Council under Title 3 of the 1965 Water Resources Planning Act.

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INTRODUCTION

This is a progress report on the collection of ground water data by personnel of the Division of Water Resources, with assistance by the U.S. Geological Survey. Most of this data was collected under Tennessee Code Annotated 70-2301, which requires all water well drillers in the State to furnish information on all wells that they drill. The excellent cooperation which the large part of the drillers have shown in submitting

Several changes have been made since the printing of this report in June 1971. The word probability as used in this report in West Tennessee has been replaced with the more correct "frequency of reported yields." In West Tennessee there are basically two systems of ground water: the shallow system (less than 200 feet deep), and the deeper system. The probabilities in this report include both systems, and small domestic wells in the shallow sands distort the overall picture. A fair statement is: Almost any amount of ground water (more than 500 gallons per minute) can be obtained west of a line from Paris to Middleton, by using proper well design and completion techniques. A statement similar to this may be found on page 3 of this report.

Persons desiring additional information about ground water in West Tennessee should contact the Tennessee Division of Water Resources c/o Richard Lanphere.

Section of the Division is the field location of these water wells. When the wells are located on topographic maps, the records gain their maximum usefulness as elevation, geologic formation, up-to-date dependability of the well, and samples for chemical and biological analysis can be obtained.

The status of the well-location program in May 1971 is shown on page 4. This work has been done in large part by Division personnel Robert Holderby, Terry Weatherly, and the writers, as well as by past employees Maurice Vickers, Sam Puryear, Chuck Woodruff and Richard Jewell. The day-by-day coding of the information is done by Lucille Shepard, and this report would have been extremely difficult without this work.

RESULTS OF THIS STUDY

The probabilities of well yield, depth, and chemical quality are approximations in this report because the data is sorted over an entire county area. In the future, it is hoped to publish this type of table sorted by stream drainage basin, geologic formation, and quadrangle. More detailed information on a smaller area can be obtained at the present time by contacting the Division of Water Resources or the U.S. Geological Survey in Nashville.

As was stated earlier, this is a progress report, because the inventory of the State's valuable ground water resource is a never-ending task and this report will be updated continuously. At the present time about 6,000 new wells are drilled annually. As counties are field checked, the accuracy of the data improves and chemical data is added to the file. These files will be updated as rapidly as possible and plans now call for similar reports to be released annually.

The overall probabilities of obtaining various well yields across Tennessee are shown on page 51 in table form. This shows that the chance of drilling a well in Tennessee that will yield enough water for the average household /3 gallons per minute (gpm) or more/ is 83.9 percent, while the probability of getting very large quantities of water (100 gpm) is 2.3

percent statewide. The overall probabilities of various well depths to obtain water are shown on page 53. This graph shows that a well will have to go deeper than 80 feet to obtain water in more than 50 percent of the wells drilled in the state. County-by-county probabilities of well yields are shown on page 54. These are presented as a matter of interest. The first map shows the probability of obtaining 3 gpm or more in each county. The second map shows the probability of obtaining 25 gpm or more. The values shown on this map in West Tennessee are somewhat misleading, as the drillers in this area develop a well only enough to supply the household needs. With larger diameter casing, bigger screens, gravel packing, and other completion methods, virtually any amount of ground water can be obtained anywhere in West Tennessee.

ABBREVIATIONS AND SYMBOLS

In the following 48 pages, the summary tables are shown by county for ground water data collected to date in Tennessee. Listed below are the symbols and abbreviations used on the summary tables and their explanation:

pH - The pH value (acidity-alkalinity) as determined in the field by meter or colormetric method.

Temp - The temperature in degrees centigrade as measured in the field.

Iron - The iron content in parts per million (ppm) as measured in the lab by colorimeter.

SO4 - The sulfate content in parts per million (ppm) as measured in the lab by colorimeter.

NACL - The salt content in parts per million (ppm) as measured in the lab by titration.

THD - The total hardness content in parts per million (ppm) as measured in the lab by titration.

CHD - The calcium hardness content in parts per million (ppm) as measured in the lab by titration.

SIO2 - The silica content in parts per million (ppm) as measured in the lab by colorimeter.

ALKA - The alkalinity (total) content in parts per million (ppm) as measured in the lab by titration.

TDS - The total dissolved solids, as calculated from a measurement of conductivity in the lab.

COLI - The total coliform bacteria count per 100 milliliter sample. This "average" figure is a bit misleading, because a few very high counts can affect the overall average.

FEC - The fecal coliform bacteria count per 100 mililiter sample. The same high count problem exists here.

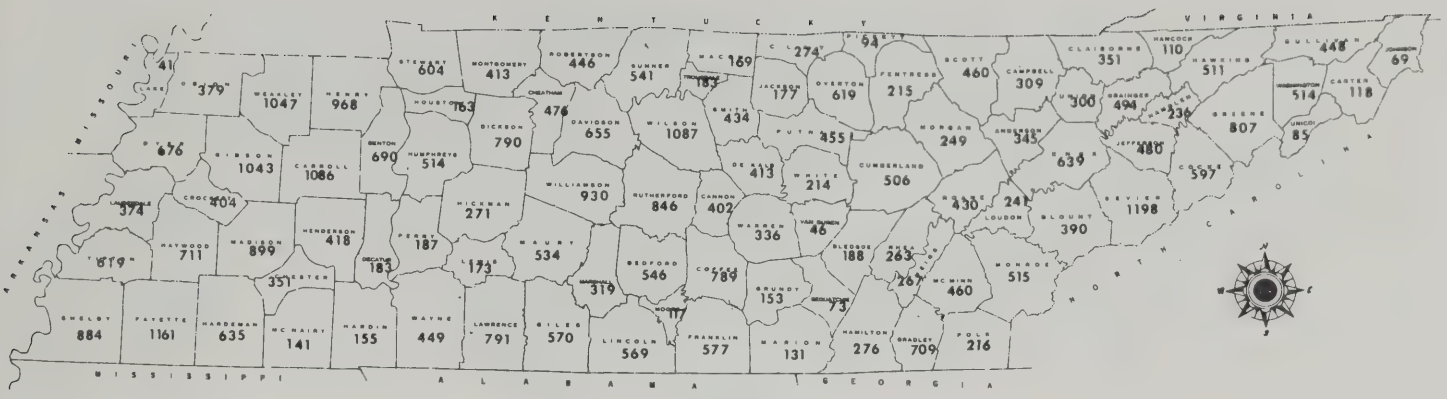
SPEC/CAP - The specific capacity (gallons per minute per foot of drawdown) as calculated by the computer. In most cases, this is calculated from information reported by the driller.

DEEP - The total depth of the well.

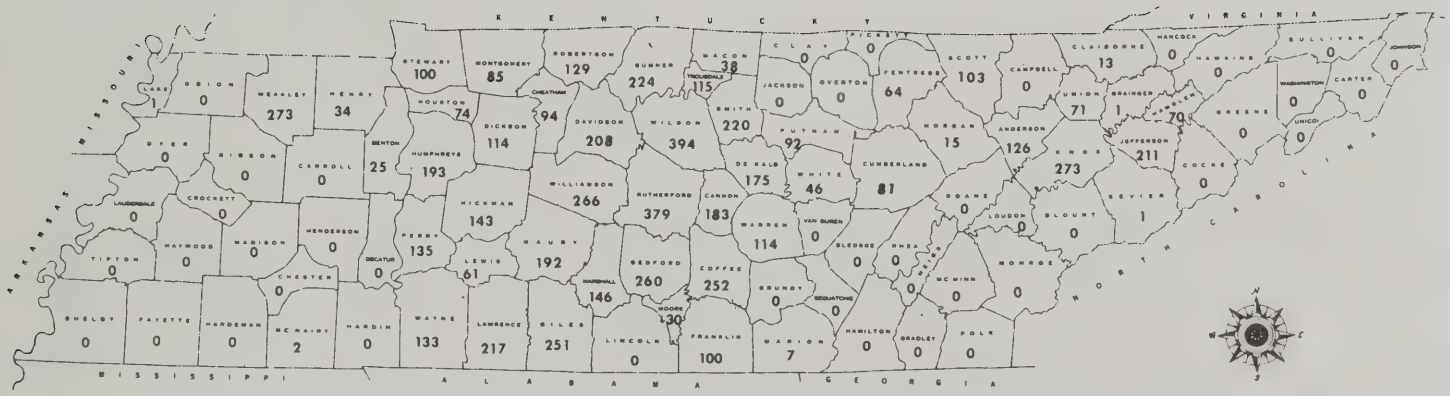
YIELD - The yield, in gallons per minute, usually reported by the driller.

OVB - The thickness of overburden, or unconsolidated material above bedrock.

GPM - Gallons per minute.



WELLS DRILLED DURING THE PERIOD AUGUST, 1963 TO MAY, 1971 (TOTAL 43,379)


KENTUCKY
VIRGINIA
ARKANSAS
MISSOURI
MISSISSIPPI
ALABAMA
GEORGIA
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0
273
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85
129
224
38
115
0
64
103
13
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0
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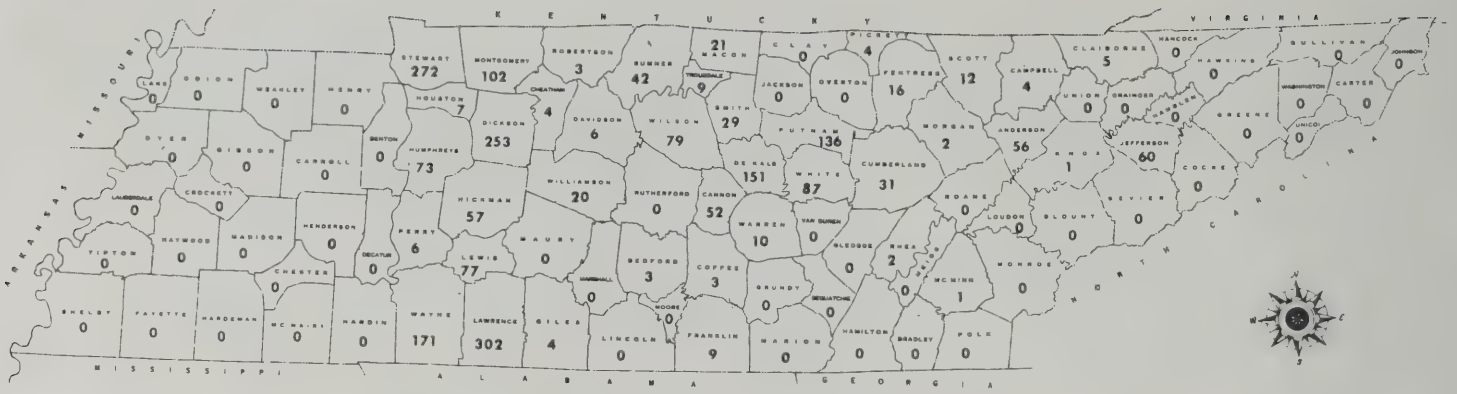
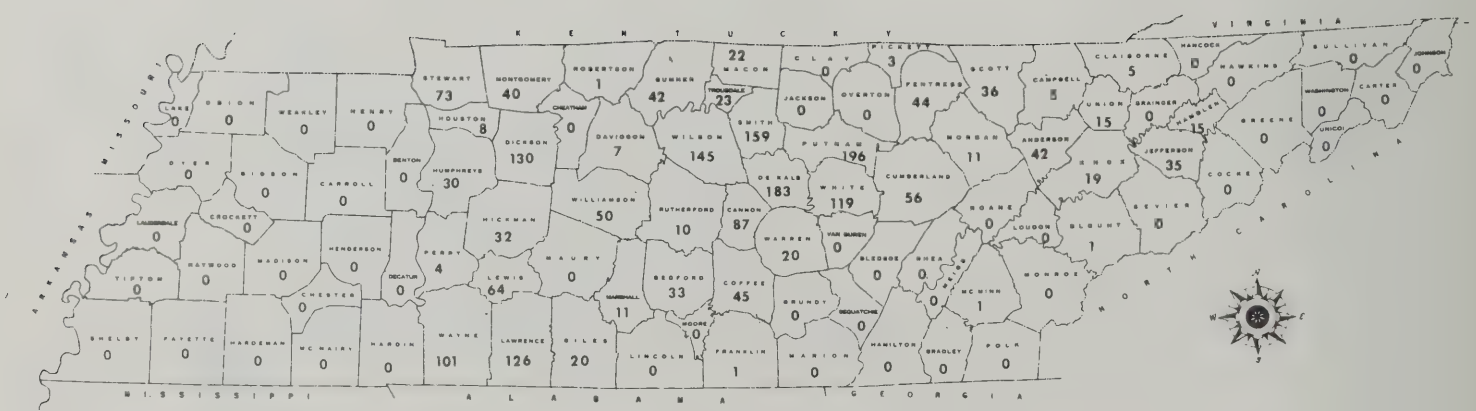


SCHEDULED WELLS ON FILE IN MAY, 1971 (TOTAL 2152)



CHEMICAL AND MICROBIOLOGICAL ANALYSES ON FILE IN MAY, 1971 (TOTAL 2065)

ANDERSON

WELL SUMMARY TABLE FOR COUNTY 01

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.6	17	.65	12		198	157					2.13	148	13	34
MAXIMUM	8.1	21	8.00	200		550	470					30.00	550	151	185
MINIMUM	7.0	16	.00	0		110	80					.00	18	0	0
NUMBER OF SAMPLES	23	5	22	23		23	23					115	345	270	97

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 77.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 42.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 14.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 84.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 46.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 16.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 89.3 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 01

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE		15												188	
MAXIMUM		22												1250	
MINIMUM		13												1	
NUMBER OF SAMPLES		19												17	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 76.5 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 41.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 29.4 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 29.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 100.0 PERCENT

BEDFORD

WELL SUMMARY TABLE FOR COUNTY 02

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.5	14	.15	64	70	218	151	6	68	739		1.19	135	13	13
MAXIMUM	8.5	18	2.10	375	550	360	320	9	68	3938		40.00	900	240	74
MINIMUM	7.0		.00	2	13	50	15	4	68	260		.00	23	0	0
NUMBER OF SAMPLES	31	5	33	32	27	33	32	7	1	32		225	546	510	167

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 57.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 39.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 21.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .6 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 76.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 37.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 6.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 61.2 PERCENT

BENTON

WELL SUMMARY TABLE FOR COUNTY 03

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.71	75	10	
MAXIMUM													2.80	604	200	
MINIMUM													.02	16	0	
NUMBER OF SAMPLES													16	690	540	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 94.1 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 43.1 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 3.5 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 36.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 12.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 83.6 PERCENT

BLEDSOE

WELL SUMMARY TABLE FOR COUNTY 04

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													15.85	126	56	
MAXIMUM													200.00	385	1000	
MINIMUM													.02	33	1	
NUMBER OF SAMPLES													16	188	166	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 88.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 55.4 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 23.5 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 12.0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 78.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 34.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 4.2 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 79.8 PERCENT

BLOUNT

WELL SUMMARY TABLE FOR COUNTY 05

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													1.69	161	30	
MAXIMUM													116.33	710	1200	
MINIMUM													.00	30	0	
NUMBER OF SAMPLES													147	390	293	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 96.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 75.8 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 25.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 4.4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 92.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 58.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 18.9 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 89.4 PERCENT

BRADLEY

WELL SUMMARY TABLE FOR COUNTY 06

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.37	137	14	
MAXIMUM													10.00	514	400	
MINIMUM													.00	36	0	
NUMBER OF SAMPLES													468	709	689	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 78.1 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 40.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 15.4 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.3 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 87.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 44.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 7.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 99.6 PERCENT

CAMPBELL

WELL SUMMARY TABLE FOR COUNTY 07

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.9		1.25	61	38	79			76	258			.31	177	12	
MAXIMUM	8.5		2.55	96	50	112			171	296			9.00	600	100	
MINIMUM	6.1		.02	8	25	53			17	201			.00	25	1	
NUMBER OF SAMPLES	3		3	3	3	3			3	3			104	308	288	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 78.1 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 39.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 11.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 78.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 51.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 25.7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 81.3 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 07

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.3		.02	560	13	338			119	1047					61	
MAXIMUM	8.5		.02	560	13	338			119	1047					120	
MINIMUM	6.1		.02	560	13	338			119	1047					1	
NUMBER OF SAMPLES	2		1	1	1	1			1	1					2	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

CANNON

WELL SUMMARY TABLE FOR COUNTY 08

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.1	14	.09	27	36	201	149				600	917	1.47	81	11	25
MAXIMUM	7.8	18	.85	170	125	400	300				1900	4000	22.00	450	160	85
MINIMUM	6.0	8	.00	6	25	20	5				0	0	.01	15	0	0
NUMBER OF SAMPLES	62	28	64	66	66	66	66				4	5	59	402	228	86

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 86.4 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 56.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 8.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 44.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 9.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 85.3 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 08

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.3	13	.06	18	31	128	102				284	216			19	
MAXIMUM	8.0	15	.22	37	50	270	250				284	216			100	
MINIMUM	6.5	8	.00	7	25	60	25				284	216			1	
NUMBER OF SAMPLES	15	12	15	15	15	15	15				1	1			11	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 90.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 45.5 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 18.2 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 9.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

CARROLL

WELL SUMMARY TABLE FOR COUNTY 09

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													4.29	116	21	
MAXIMUM													25.71	425	1500	
MINIMUM													.09	27	2	
NUMBER OF SAMPLES													117	1086	932	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 99.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 76.8 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 6.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 84.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 23.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS .5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.2 PERCENT

CARTER

WELL SUMMARY TABLE FOR COUNTY 10

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												.11	165	12	
MAXIMUM												1.00	500	134	
MINIMUM												.01	25	1	
NUMBER OF SAMPLES												48	118	113	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 91.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 39.8 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 9.7 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.8 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 93.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 60.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 28.6 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 92.0 PERCENT

CHEATHAM

WELL SUMMARY TABLE FOR COUNTY 11

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												.27	111	7	35
MAXIMUM												15.00	455	60	97
MINIMUM												.01	20	0	3
NUMBER OF SAMPLES												213	476	432	56

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 76.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 19.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 2.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 75.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 38.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 3.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.6 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 11

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE														2	
MAXIMUM														2	
MINIMUM														2	
NUMBER OF SAMPLES														1	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

CHESTER

WELL SUMMARY TABLE FOR COUNTY 12

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													2.30	111	10	
MAXIMUM													10.67	441	350	
MINIMUM													.06	25	2	
NUMBER OF SAMPLES													6	351	221	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 99.5 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 23.1 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 3.2 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .9 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 79.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 30.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 7.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 65.0 PERCENT

CLAIBORNE

WELL SUMMARY TABLE FOR COUNTY 13

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	8.1		.83	15	80	77			175	384			1.08	198	9	17
MAXIMUM	9.0		4.00	50	288	122			257	.730			25.00	660	180	30
MINIMUM	7.1		.01	6	13	52			103	214			.00	30	0	0
NUMBER OF SAMPLES	5		5	5	5	5			5	5			72	352	270	13

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 80.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 33.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 5.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 90.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 64.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 30.2 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 90.1 PERCENT

CLAY

WELL SUMMARY TABLE FOR COUNTY 14

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													3.63	108	10	
MAXIMUM													13.33	626	80	
MINIMUM													.02	20	0	
NUMBER OF SAMPLES													10	274	240	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 68.8 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 34.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 10.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 73.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 27.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.2 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 85.4 PERCENT

COCKE

WELL SUMMARY TABLE FOR COUNTY 15

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.90	175	20	
MAXIMUM													11.00	644	600	
MINIMUM													.00	30	0	
NUMBER OF SAMPLES													184	597	565	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 92.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 61.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 23.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.1 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 92.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 63.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 25.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 93.9 PERCENT

COFFEE

WELL SUMMARY TABLE FOR COUNTY 16

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.5		.19	9		77	52	6		177		2.09	80	19	61
MAXIMUM	8.2		.90	65		240	170	8		534		10.00	308	107	113
MINIMUM	5.0		.00	0		6	0	4		14		.01	5	0	5
NUMBER OF SAMPLES	41		40	21		41	41	4		42		265	789	725	150

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 95.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 80.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 25.4 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 77.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 11.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS .9 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 92.1 PERCEN

SPRING SUMMARY TABLE FOR COUNTY 16

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.0		.03			75	52			121				1000	
MAXIMUM	7.2		.10			110	85			175				1000	
MINIMUM	6.9		.00			40	30			77				1000	
NUMBER OF SAMPLES	3		3			3	3			3				1	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

CROCKETT

WELL SUMMARY TABLE FOR COUNTY 17

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												2.17	114	30	
MAXIMUM												62.50	547	300	
MINIMUM												.10	25	2	
NUMBER OF SAMPLES												67	404	273	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 99.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 45.8 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 13.2 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 10.3 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 83.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 38.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 6.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 64.3 PERCENT

CUMBERLAND

WELL SUMMARY TABLE FOR COUNTY 18

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.5	17	1.87	31	60	97	60	8	66			.44	116	9	
MAXIMUM	8.7	26	9.99	280	569	400	290	19	160			7.50	2000	100	
MINIMUM	5.5	13	.00	1	2	10	0	3	8			.01	25	0	
NUMBER OF SAMPLES	54	14	54	53	46	54	53	54	5			126	506	387	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 86.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 37.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 4.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .3 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 75.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 21.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.9 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 74.4 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 18

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.5	16	.80	13		95	68	5							
MAXIMUM	7.2	16	1.20	13		170	130	6							
MINIMUM	5.8	16	.40	12		20	5	4							
NUMBER OF SAMPLES	2	1	2	2		2	2	2							

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

DAVIDSON

WELL SUMMARY TABLE FOR COUNTY 19

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.9		.27	100	54	388	199	7	222		6	.56	172	8	14
MAXIMUM	8.2		1.00	285	88	1400	485	7	222		6	15.00	1820	250	69
MINIMUM	2.3		.00	3	25	159	100	7	222		6	.01	18	0	0
NUMBER OF SAMPLES	6		7	6	3	7	7	1	1		1	103	655	545	146

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 64.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 26.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 8.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 72.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 37.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 8.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 78.8 PERCENT

DECATUR

WELL SUMMARY TABLE FOR COUNTY 20

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												.89	105	8	
MAXIMUM												1.67	275	75	
MINIMUM												.08	16	0	
NUMBER OF SAMPLES												5	183	168	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 78.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 36.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 2.4 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 65.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 22.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.9 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 91.4 PERCENT

DEKALB

WELL SUMMARY TABLE FOR COUNTY 21

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.0	15	.18	51	143	183	142	8	186	442	47	9	.63	108	10	23
MAXIMUM	8.6	18	1.50	840	6135	1100	970	14	712	1480	460	148	4.00	1385	150	98
MINIMUM	4.7	10	.00	2	1	6	2	6	5	16	0	0	.01	18	0	0
NUMBER OF SAMPLES	96	43	109	110	107	110	102	13	10	11	20	22	117	413	325	70

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 82.8 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 38.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 6.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .9 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 65.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 22.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.4 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 21

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.5	15	.06	14	31	155	127	8		317	470	12			34	
MAXIMUM	8.3	19	.27	30	63	290	265	8		392	470	12			200	
MINIMUM	5.9	9	.00	5	4	35	18	7		192	470	12			1	
NUMBER OF SAMPLES	44	28	50	50	48	50	50	2		3	1	1			47	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 89.4 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 59.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 31.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 12.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

DICKSON

WELL SUMMARY TABLE FOR COUNTY 22

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.2		.16			151						2.58	178	10	61
MAXIMUM	7.8		2.00			410						100.00	2209	165	217
MINIMUM	6.0		.00			34						.00	15	0	5
NUMBER OF SAMPLES	76		118			118						53	790	562	129

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 79.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 32.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 8.5 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.1 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 94.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 67.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 16.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 91.0 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 22

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.2	14	.19			105								315	
MAXIMUM	7.4	16	.30			154								670	
MINIMUM	6.8	13	.10			8								60	
NUMBER OF SAMPLES	12	10	9			10								7	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 71.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

DYER

WELL SUMMARY TABLE FOR COUNTY 23

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												1.48	86	47	
MAXIMUM												7.45	773	1250	
MINIMUM												.50	2	1	
NUMBER OF SAMPLES												26	676	186	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 98.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 53.8 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 10.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 7.0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 73.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 20.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 65.5 PERCENT

FAYETTE

WELL SUMMARY TABLE FOR COUNTY 24

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													1.79	139	21	
MAXIMUM													25.00	334	1000	
MINIMUM													.25	30	1	
NUMBER OF SAMPLES													415	1161	576	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 99.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 96.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 2.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.9 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 93.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 53.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 3.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 99.1 PERCENT

FENTRESS

WELL SUMMARY TABLE FOR COUNTY 25

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	5.8	13	.85	5	28	34	20	5		85			1.02	108	7	5
MAXIMUM	7.0	15	8.60	22	200	145	108	15		508			48.00	330	130	25
MINIMUM	4.3	12	.00	0	6	1	0	2		7			.01	40	0	0
NUMBER OF SAMPLES	30	5	38	37	25	40	40	24		38			103	225	216	54

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 72.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 17.1 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 3.2 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 76.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 21.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.9 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 92.3 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 25

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	5.8	11	.23	7		13	5	2		29					2	
MAXIMUM	6.0	13	.55	11		17	8	3		56					5	
MINIMUM	5.5	7	.04	2		6	1	1		13					1	
NUMBER OF SAMPLES	3	3	3	2		3	3	2		3					4	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 25.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

FRANKLIN

WELL SUMMARY TABLE FOR COUNTY 26

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												2.38	88	19	49
MAXIMUM												10.00	307	300	102
MINIMUM												.01	26	0	6
NUMBER OF SAMPLES												134	577	359	76

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 87.5 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 70.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 18.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 84.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 10.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS .3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.0 PERCENT

GIBSON

WELL SUMMARY TABLE FOR COUNTY 27

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												3.81	123	36	
MAXIMUM												115.00	388	1158	
MINIMUM												.02	2	2	
NUMBER OF SAMPLES												293	1043	599	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 99.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 79.5 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 18.4 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 8.0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 76.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 37.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 4.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 85.4 PERCENT

GILES

WELL SUMMARY TABLE FOR COUNTY 28

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.2		.16	52	63	217	170	3	350	569		.91	142	8	29
MAXIMUM	8.3		.60	230	250	430	370	3	350	1096		10.00	1088	100	148
MINIMUM	6.0		.01	8	5	70	40	3	350	209		.00	22	0	1
NUMBER OF SAMPLES	19		19	19	12	20	19	1	1	19		127	570	444	219

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 62.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 34.5 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 6.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .2 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 57.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 17.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 5.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.6 PERCENT

GRAINGER

WELL SUMMARY TABLE FOR COUNTY 29

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.42	191	16	25
MAXIMUM													18.33	1045	400	25
MINIMUM													.01	45	0	25
NUMBER OF SAMPLES													87	494	397	1

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 91.4 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 47.4 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 15.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 94.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 70.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 26.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 95.0 PERCENT

GREENE

WELL SUMMARY TABLE FOR COUNTY 30

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.39	193	20	81
MAXIMUM													10.00	700	500	120
MINIMUM													.00	42	1	42
NUMBER OF SAMPLES													336	807	789	2

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 92.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 60.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 24.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 93.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 62.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 25.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 95.1 PERCENT

GRUNDY

WELL SUMMARY TABLE FOR COUNTY 31

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													7.11	101	36	
MAXIMUM													75.60	430	800	
MINIMUM													.01	33	1	
NUMBER OF SAMPLES													13	153	111	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 89.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 60.4 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 13.5 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 4.5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 76.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 17.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 99.2 PERCENT

HAMBLEN

WELL SUMMARY TABLE FOR COUNTY 32

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.6		.19	3		219	177						.48	249	19	35
MAXIMUM	8.1		.50	10		320	265						5.50	6083	200	180
MINIMUM	7.3		.00	0		150	130						.01	22	2	0
NUMBER OF SAMPLES	15		9	7		15	15						55	226	205	46

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 96.1 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 55.1 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 22.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 3.4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 93.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 73.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 37.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 98.3 PERCENT

WELL SUMMARY TABLE FOR COUNTY 33 HAMILTON

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.58	163	32	
MAXIMUM													10.00	700	3000	
MINIMUM													.00	36	0	
NUMBER OF SAMPLES													73	276	245	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 88.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 52.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 19.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 4.1 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 92.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 58.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 13.2 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 86.4 PERCENT

WELL SUMMARY TABLE FOR COUNTY 34 HANCOCK

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													6.41	129	8	
MAXIMUM													55.00	470	55	
MINIMUM													.01	40	1	
NUMBER OF SAMPLES													18	110	92	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 48.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 25.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 9.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 70.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 36.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 20.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 89.4 PERCENT

HARDEMAN

WELL SUMMARY TABLE FOR COUNTY 35

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												3.96	149	61	
MAXIMUM												20.00	624	880	
MINIMUM												.29	18	6	
NUMBER OF SAMPLES												29	625	112	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 97.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 24.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 9.8 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 86.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 50.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 9.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 98.3 PERCENT

HARDIN

WELL SUMMARY TABLE FOR COUNTY 36

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												9.32	125	28	
MAXIMUM												72.22	405	1300	
MINIMUM												.02	30	0	
NUMBER OF SAMPLES												10	155	150	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 89.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 54.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 8.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 3.3 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 83.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 37.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 92.0 PERCENT

HAWKINS

WELL SUMMARY TABLE FOR COUNTY 37

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												.21	167	17	
MAXIMUM												3.50	700	390	
MINIMUM												.00	35	1	
NUMBER OF SAMPLES												270	512	496	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 87.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 49.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 16.7 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.2 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 92.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 60.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 21.2 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 81.1 PERCENT

HAYWOOD

WELL SUMMARY TABLE FOR COUNTY 38

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													1.82	128	16	
MAXIMUM													65.75	533	680	
MINIMUM													.01	13	1	
NUMBER OF SAMPLES													250	711	382	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 97.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 67.5 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 7.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.6 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 90.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 36.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 90.3 PERCENT

HENDERSON

WELL SUMMARY TABLE FOR COUNTY 39

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													1.98	142	12	
MAXIMUM													20.00	435	280	
MINIMUM													.07	18	3	
NUMBER OF SAMPLES													26	418	398	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 52.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 5.5 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 92.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 50.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 10.6 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.7 PERCENT

HENRY

WELL SUMMARY TABLE FOR COUNTY 40

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													2.22	99	13	
MAXIMUM													20.60	406	1500	
MINIMUM													.01	22	1	
NUMBER OF SAMPLES													150	968	757	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 98.5 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 58.1 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 3.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 74.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 17.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 93.8 PERCENT

HICKMAN

WELL SUMMARY TABLE FOR COUNTY 41

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.2	16	.48	11	15	141	135			272		.60	160	11	69
MAXIMUM	8.0	16	5.00	35	25	225	165			357		4.00	1283	104	280
MINIMUM	6.2	16	.00	0	10	34	75			155		.01	10	0	6
NUMBER OF SAMPLES	16	1	16	8	9	21	8			8		40	271	233	111

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 73.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 45.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 14.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 87.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 61.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 16.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.2 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 41

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.3	15	.19	51	13	124	55	3		243				135	
MAXIMUM	8.1	17	.68	195	13	300	55	5		570				500	
MINIMUM	6.2	14	.00	0	13	60	55	1		94				1	
NUMBER OF SAMPLES	8	11	4	4	1	9	1	4		4				13	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 92.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 76.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 53.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 38.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 92.3 PERCENT

HOUSTON

WELL SUMMARY TABLE FOR COUNTY 42

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.2	16	.08	5	10	170	102	6	226	282		.40	164	11	58
MAXIMUM	7.3	16	.20	6	10	250	160	6	226	595		3.00	450	100	168
MINIMUM	7.0	15	.01	3	10	90	40	6	226	100		.00	33	0	10
NUMBER OF SAMPLES	2	2	8	7	1	8	6	1	1	6		36	162	155	30

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 71.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 39.4 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 11.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .6 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 90.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 63.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 19.7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 98.5 PERCENT

HUMPHREYS

WELL SUMMARY TABLE FOR COUNTY 43

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.1		.57			140						1.78	120	23	76
MAXIMUM	8.0		2.00			855						50.00	500	600	200
MINIMUM	6.2		.02			17						.01	13	0	2
NUMBER OF SAMPLES	2		30			30						46	514	453	117

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 92.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 64.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 20.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 4.4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 82.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 50.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 11.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 98.5 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 43

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE														241	
MAXIMUM														500	
MINIMUM														97	
NUMBER OF SAMPLES														6	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 83.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 100.0 PERCENT

JACKSON

WELL SUMMARY TABLE FOR COUNTY 44

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												.68	124	16	52
MAXIMUM												11.43	303	400	53
MINIMUM												.01	40	0	51
NUMBER OF SAMPLES												67	177	147	2

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 68.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 41.5 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 13.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 4.1 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 78.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 36.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 5.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.1 PERCENT

JEFFERSON

WELL SUMMARY TABLE FOR COUNTY 45

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.7	14	.04	2		175	145						1.63	213	39	42
MAXIMUM	8.1	15	.50	10		230	190						50.00	807	5000	185
MINIMUM	7.5	13	.00	0		100	85						.00	39	1	0
NUMBER OF SAMPLES	24	10	24	24		24	24						75	480	389	103

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 94.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 57.1 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 19.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 3.9 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 95.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 72.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 32.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 96.4 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 45

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE		15	.50	12		79	54	9	146	260					6	
MAXIMUM		16	.50	12		79	54	9	146	260					10	
MINIMUM		13	.50	12		79	54	9	146	260					2	
NUMBER OF SAMPLES		11	1	1		1	1	1	1	1					2	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 96.8 PERCENT

JOHNSON

WELL SUMMARY TABLE FOR COUNTY 46

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.08	129	6	
MAXIMUM													.50	297	18	
MINIMUM													.01	35	1	
NUMBER OF SAMPLES													53	69	66	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 95.5 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 10.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 92.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 59.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 10.6 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 93.8 PERCENT

KNOX

WELL SUMMARY TABLE FOR COUNTY 47

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.5		.25	3		191	151						3.30	189	18	48
MAXIMUM	8.0		1.50	10		680	540						100.00	1062	700	220
MINIMUM	7.0		.00	0		65	30						.00	40	0	3
NUMBER OF SAMPLES	18		18	17		18	18						155	629	490	208

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 93.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 60.8 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 15.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 89.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 64.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 22.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 93.5 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 47

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.7		.00	0		120	85								10	
MAXIMUM	6.7		.00	0		120	85								10	
MINIMUM	6.7		.00	0		120	85								10	
NUMBER OF SAMPLES	1		1	1		1	1								1	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 100.0 PERCENT

LAKE

WELL SUMMARY TABLE FOR COUNTY 48

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.14	90	108	
MAXIMUM													.15	730	500	
MINIMUM													.12	27	5	
NUMBER OF SAMPLES													2	41	17	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 64.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 47.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 23.5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 30.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 10.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 6.7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 20.0 PERCENT

LAUDERDALE

WELL SUMMARY TABLE FOR COUNTY 49

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												2.68	128	29	
MAXIMUM												28.09	801	850	
MINIMUM												.05	34	3	
NUMBER OF SAMPLES												71	374	188	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 47.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 9.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 5.9 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 84.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 41.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 7.7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 63.1 PERCENT

LAWRENCE

WELL SUMMARY TABLE FOR COUNTY 50

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.2	18	.34	25	28	68	91	10		437		1.03	103	16	71
MAXIMUM	8.5		5.00	125	62	310	300	21		1409		10.00	500	150	2058
MINIMUM		13	.00	3	5	2	10	2		23		.01	3	0	4
NUMBER OF SAMPLES	87	16	90	31	15	94	20	7		11		255	791	616	302

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 72.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 55.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 22.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.9 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 75.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 23.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS .7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 96.9 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 50

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.5	15	.25	11	25	66	43	10						151	
MAXIMUM	7.8	18	1.50	17	25	154	70	10						1106	
MINIMUM	5.6	14	.00	7	25	17	5	10						2	
NUMBER OF SAMPLES	24	32	21	5	5	24	5	1						18	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 72.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 38.9 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 75.0 PERCENT

LEWIS

WELL SUMMARY TABLE FOR COUNTY 51

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.6	14	.70	70		100	141	4		401			3.02	125	17	121
MAXIMUM	8.0	18	7.50	275		395	280	4		957			25.00	340	300	226
MINIMUM	5.5	9	.00	10		17	75	3		122			.01	11	0	10
NUMBER OF SAMPLES	48	11	27	12		38	12	2		12			39	173	115	59

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 84.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 67.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 22.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .9 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 86.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 62.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 5.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 97.5 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 51

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.7	15	.10			36									118	
MAXIMUM	7.4	18	.10			68									1000	
MINIMUM	5.9	12	.10			17									1	
NUMBER OF SAMPLES	12	16	2			9									12	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 91.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 16.7 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 16.7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

LINCOLN

IELL SUMMARY TABLE FOR COUNTY 52

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
VERAGE													1.14	85	7	
AAXIMUM													25.00	997	100	
AINIMUM													.01	9	0	
UMBER OF SAMPLES													65	569	501	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 64.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 24.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 7.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .2 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 35.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 5.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 82.7 PERCENT

LOUDON

WELL SUMMARY TABLE FOR COUNTY 53

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													1.13	172	55	
MAXIMUM													15.00	705	3000	
MINIMUM													.00	30	1	
NUMBER OF SAMPLES													44	242	181	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 93.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 69.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 21.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 7.2 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 94.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 63.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 18.6 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 99.6 PERCENT

McMINN

WELL SUMMARY TABLE FOR COUNTY 54

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.72	156	30	
MAXIMUM													18.75	728	800	
MINIMUM													.00	25	1	
NUMBER OF SAMPLES													172	460	440	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 90.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 65.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 20.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 5.2 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 92.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 58.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 14.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 98.2 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 54

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.3		.01	2	13	149	118	6		252						
MAXIMUM	6.3		.01	2	13	149	118	6		252						
MINIMUM	6.3		.01	2	13	149	118	6		252						
NUMBER OF SAMPLES	1		1	1	1	1	1	1		1						

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

McNAIRY

WELL SUMMARY TABLE FOR COUNTY 55

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													23.63	169	120	
MAXIMUM													144.00	604	1200	
MINIMUM													1.00	37	3	
NUMBER OF SAMPLES													22	141	100	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 39.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 24.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 21.0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 82.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 44.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 16.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 74.5 PERCENT

MACON

WELL SUMMARY TABLE FOR COUNTY 56

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.3	13	.46	83	17	247	111	6		1108			1.30	91	8	17
MAXIMUM	8.5	16	1.55	275	50	730	210	7		5250			50.00	285	75	70
MINIMUM	6.0	7	.01	4	5	30	30	5		25			.01	14	0	4
NUMBER OF SAMPLES	17	10	17	17	11	17	11	2		17			63	169	130	24

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 64.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 24.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 10.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 52.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 17.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 89.1 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 56

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.3	15	.18	12	8	87	75	5		228					35	
MAXIMUM	7.8	15	.42	20	10	195	125	5		563					100	
MINIMUM	6.8	15	.04	7	5	20	40	5		95					1	
NUMBER OF SAMPLES	5	2	5	5	3	5	3	1		5					5	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 80.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 60.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 40.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 20.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 100.0 PERCENT

MADISON

WELL SUMMARY TABLE FOR COUNTY 57

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													11.65	118	53	
MAXIMUM													83.33	480	1135	
MINIMUM													.02	22	3	
NUMBER OF SAMPLES													67	899	362	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 52.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 21.5 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 11.6 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 83.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 40.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 3.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 83.9 PERCENT

MARION

WELL SUMMARY TABLE FOR COUNTY 58

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.31	124	21	10
MAXIMUM													1.50	515	200	15
MINIMUM													.02	43	1	3
NUMBER OF SAMPLES													21	131	85	5

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 91.8 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 54.1 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 20.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 4.7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 78.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 32.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.6 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 96.6 PERCENT

MARSHALL

WELL SUMMARY TABLE FOR COUNTY 59

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.4		.12	117	202	252	189			558	0		1.90	173	8	15
MAXIMUM	8.5		.22	840	550	950	750			2100	0		30.00	1011	70	62
MINIMUM	6.3		.02	5	5	80	30			78	0		.01	22	0	0
NUMBER OF SAMPLES	6		10	10	3	10	10			9	1		47	328	289	164

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 54.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 26.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 8.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 66.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 30.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 11.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 78.5 PERCENT

MAURY

WELL SUMMARY TABLE FOR COUNTY 60

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.33	263	11	25
MAXIMUM													6.64	1338	200	226
MINIMUM													.00	21	0	1
NUMBER OF SAMPLES													124	534	483	78

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 62.1 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 32.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 14.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 84.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 50.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 23.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 79.4 PERCENT

MEIGS

WELL SUMMARY TABLE FOR COUNTY 61

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.39	143	14	
MAXIMUM													10.00	468	290	
MINIMUM													.01	37	0	
NUMBER OF SAMPLES													93	267	224	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 86.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 48.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 13.4 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.2 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 87.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 47.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 8.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 97.4 PERCENT

MONROE

WELL SUMMARY TABLE FOR COUNTY 62

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.45	155	49	101
MAXIMUM													20.00	700	1800	115
MINIMUM													.00	6	1	86
NUMBER OF SAMPLES													256	515	465	2

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 91.4 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 67.1 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 19.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 6.5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 93.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 62.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 15.2 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 97.1 PERCENT

MONTGOMERY

WELL SUMMARY TABLE FOR COUNTY 63

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.5	17	.36	39	16	244		6	234	265		.42	158	8	52
MAXIMUM	7.8	18	2.00	82	34	578		6	248	324		30.00	911	150	155
MINIMUM	7.2	16	.00	8	8	103		5	218	211		.00	27	0	12
NUMBER OF SAMPLES	6	4	30	4	4	30		4	4	4		115	413	344	183

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 60.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 23.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 5.2 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.2 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 95.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 61.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 19.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.5 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 63

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.5	14	.16	4	10	155		5	186	172				295	
MAXIMUM	8.0	14	.30	4	10	215		5	186	172				2270	
MINIMUM	7.0	13	.06	4	10	120		5	186	172				5	
NUMBER OF SAMPLES	8	9	8	1	1	10		1	1	1				14	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 92.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 78.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 42.9 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

MOORE

WELL SUMMARY TABLE FOR COUNTY 64

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												1.35	107	10	53
MAXIMUM												10.00	325	56	160
MINIMUM												.01	29	0	5
NUMBER OF SAMPLES												46	117	96	30

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 63.5 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 42.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 11.5 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 82.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 19.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 80.2 PERCENT

MORGAN

WELL SUMMARY TABLE FOR COUNTY 65

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.3		.29	11		88	63			196		1.10	104	13	8
MAXIMUM	8.2		.90	25		200	140			348		9.00	1647	150	18
MINIMUM	6.7		.10	0		20	10			87		.00	28	0	3
NUMBER OF SAMPLES	3		7	10		10	10			7		98	249	216	13

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 82.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 48.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 16.2 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 72.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 13.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 83.2 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 65

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.0	9	.00	4	18	9	7	3		37				5	
MAXIMUM	6.0	9	.00	4	18	9	7	3		37				5	
MINIMUM	6.0	9	.00	4	18	9	7	3		37				1	
NUMBER OF SAMPLES	1	1	1	1	1	1	1	1		1				1	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

OBION

WELL SUMMARY TABLE FOR COUNTY 66

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												3.84	127	44	
MAXIMUM												126.00	736	1200	
MINIMUM												.03	29	0	
NUMBER OF SAMPLES												107	376	314	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 99.4 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 48.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 10.5 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 4.8 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 74.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 29.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 10.2 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 67.1 PERCENT

OVERTON

WELL SUMMARY TABLE FOR COUNTY 67

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												1.35	112	21	
MAXIMUM												17.50	800	200	
MINIMUM												.01	6	0	
NUMBER OF SAMPLES												145	619	569	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 80.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 61.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 27.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.9 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 76.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 25.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 4.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 89.2 PERCENT

PERRY

WELL SUMMARY TABLE FOR COUNTY 68

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.8	16	.15	320	2050	289				887		1.50	98	6	35
MAXIMUM	7.4	16	.30	320	2050	508				887		3.00	1320	30	100
MINIMUM	6.2	16	.05	320	2050	102				887		.75	30	0	3
NUMBER OF SAMPLES	2	1	3	1	1	3				1		3	187	179	83

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 65.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 25.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 1.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 64.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 15.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 99.1 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 68

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE		15	.04	7	8	104	94	64		181				243	
MAXIMUM		15	.04	7	8	104	94	64		181				300	
MINIMUM		14	.04	7	8	104	94	64		181				185	
NUMBER OF SAMPLES		2	1	1	1	1	1	1		1				2	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

PICKETT

WELL SUMMARY TABLE FOR COUNTY 69

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.9		.23	3	25	52	45	4		106		7.50	99	41	
MAXIMUM	6.9		.23	3	25	52	45	4		106		83.33	360	600	
MINIMUM	6.9		.23	3	25	52	45	4		106		.01	24	0	
NUMBER OF SAMPLES	1		1	1	1	1	1	1		1		28	94	84	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 71.4 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 52.4 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 33.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 7.1 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 72.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 14.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 91.5 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 69

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.1	9	.01	4	7	6	5	4		20				2	
MAXIMUM	6.1	9	.01	5	8	6	6	4		23				3	
MINIMUM	6.0	8	.01	3	6	6	4	4		17				1	
NUMBER OF SAMPLES	2	2	2	2	2	2	2	1		2				3	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 33.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

POLK

WELL SUMMARY TABLE FOR COUNTY 70

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												.48	127	17	
MAXIMUM												6.67	403	100	
MINIMUM												.00	30	1	
NUMBER OF SAMPLES												136	216	216	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 81.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 57.4 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 23.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 88.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 47.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 7.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 97.3 PERCENT

PUTNAM

WELL SUMMARY TABLE FOR COUNTY 71

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.6	14	.13	29	75	195	107	8	154	1439	2112	77	.51	94	24	32
MAXIMUM	9.0	23	.87	350	3630	5000	700	18	306	8110	49000	604	4.17	412	450	80
MINIMUM	4.2	9	.00	1	2	20	10	6	0	79	0	0	.01	6	0	1
NUMBER OF SAMPLES	142	90	140	142	139	142	136	9	7	13	27	28	97	455	319	59

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 79.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 53.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 19.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 4.4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 71.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 18.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.6 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 78.0 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 71

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.1	13	.10	12	36	150	100			262	4806	1043			161	
MAXIMUM	8.0	19	.30	58	50	380	250			262	13100	3100			2000	
MINIMUM	5.5	9	.00	3	25	35	10			262	440	4			1	
NUMBER OF SAMPLES	21	10	22	22	21	22	22			1	5	5			19	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 84.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 52.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 31.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 15.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 100.0 PERCENT

RHEA

WELL SUMMARY TABLE FOR COUNTY 72

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.67	137	12	
MAXIMUM													4.20	1367	124	
MINIMUM													.00	24	0	
NUMBER OF SAMPLES													39	263	189	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 89.4 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 46.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 9.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.6 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 88.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 45.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 6.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 95.7 PERCENT

ROANE

WELL SUMMARY TABLE FOR COUNTY 73

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.63	137	13	
MAXIMUM													20.00	400	650	
MINIMUM													.00	30	0	
NUMBER OF SAMPLES													170	420	359	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 80.5 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 47.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 5.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .8 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 91.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 43.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 6.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 97.8 PERCENT

ROBERTSON

WELL SUMMARY TABLE FOR COUNTY 74

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.8		.08	40	14	228		6	220	261			.19	101	10	39
MAXIMUM	7.8		.08	40	14	228		6	220	261			3.00	420	300	82
MINIMUM	7.8		.08	40	14	228		6	220	261			.01	30	0	5
NUMBER OF SAMPLES	1		1	1	1	1		1	1	1			91	446	432	32

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 78.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 34.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 6.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 81.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 20.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS .2 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 88.7 PERCENT

RUTHERFORD

WELL SUMMARY TABLE FOR COUNTY 75

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.7		.08	5	227	234			838	611			.57	131	13	12
MAXIMUM	7.7		.50	10	750	342			838	800			5.00	1040	196	60
MINIMUM	7.7		.00	1	25	86			838	438			.00	14	0	1
NUMBER OF SAMPLES	1		8	3	8	10			1	6			218	846	698	308

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 77.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 54.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 14.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 78.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 37.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 7.6 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 76.4 PERCENT

SCOTT

WELL SUMMARY TABLE FOR COUNTY 76

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.6	14	2.01	27	16	80	47	10	3	212		1.22	89	11	12
MAXIMUM	7.4	15	9.99	550	43	510	290	20	3	1027		35.00	490	350	40
MINIMUM	5.0	13	.03	0	5	0	0	1	3	12		.00	16	0	0
NUMBER OF SAMPLES	31	6	29	30	28	31	31	24	1	31		73	460	446	87

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 74.2 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 37.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 12.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 38.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 11.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 80.1 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 76

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	5.4	9	.20	4	20	16	6	3		43				1	
MAXIMUM	6.1	10	.61	17	38	33	10	3		106				2	
MINIMUM	4.3	8	.01	0	8	0	0	3		5				1	
NUMBER OF SAMPLES	5	2	4	5	3	5	5	1		5				3	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS .0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

SEQUATCHIE

WELL SUMMARY TABLE FOR COUNTY 77

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE												1.09	155	16	
MAXIMUM												3.75	446	150	
MINIMUM												.00	40	1	
NUMBER OF SAMPLES												7	73	42	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 85.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 57.1 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 11.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 85.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 49.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 8.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 92.3 PERCENT

SEVIER

WELL SUMMARY TABLE FOR COUNTY 78

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.59	142	37	
MAXIMUM													80.00	630	1000	
MINIMUM													.00	21	1	
NUMBER OF SAMPLES													514	1198	1095	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 98.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 69.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 15.7 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 5.1 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 84.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 44.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 14.4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 75.0 PERCENT

SHELBY

WELL SUMMARY TABLE FOR COUNTY 79

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													11.93	160	127	
MAXIMUM													52.38	1441	2100	
MINIMUM													.20	31	2	
NUMBER OF SAMPLES													74	884	447	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 99.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 69.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 18.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 14.1 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 76.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 30.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 13.7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 89.7 PERCENT

SMITH

WELL SUMMARY TABLE FOR COUNTY 80

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.2	14	.12	37	78	244	199	10	322	528	162	100	.50	133	15	17
MAXIMUM	9.0	18	.73	210	750	999	724	17	350	1096	1990	1700	5.00	1500	1200	78
MINIMUM	5.5	9	.00	5	5	50	30	6	305	209	0	0	.00	16	0	0
NUMBER OF SAMPLES	135	103	135	135	135	136	134	4	3	45	15	18	156	434	362	80

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 66.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 37.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 13.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.8 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 72.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 32.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 5.7 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 62.9 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 80

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.4	14	.07	18	19	206	150			330					34	
MAXIMUM	7.8	14	.20	30	30	280	200			383					100	
MINIMUM	7.0	12	.01	10	10	100	90			260					2	
NUMBER OF SAMPLES	5	5	5	5	5	5	5			3					5	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 80.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 60.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 40.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 20.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

STEWART

WELL SUMMARY TABLE FOR COUNTY 81

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.9		.35	13	25	109	146	8	190				1.52	132	10	78
MAXIMUM	8.2		5.00	17	25	440	160	8	190				60.00	1350	100	210
MINIMUM	7.6		.10	8	25	34	132	8	190				.00	9	0	2
NUMBER OF SAMPLES	2		69	2	1	69	2	1	1				84	604	417	148

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 75.3 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 43.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 5.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .2 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 87.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 61.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 21.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 94.9 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 81

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE		14	.10			114									993	
MAXIMUM		14	.10			154									1950	
MINIMUM		13	.10			86									35	
NUMBER OF SAMPLES		4	2			3									2	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

SULLIVAN

WELL SUMMARY TABLE FOR COUNTY 82

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.20	224	17	
MAXIMUM													20.00	633	725	
MINIMUM													.00	36	1	
NUMBER OF SAMPLES													255	448	425	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 82.1 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 31.5 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 11.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 94.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 79.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 43.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 97.1 PERCENT

SUMNER

WELL SUMMARY TABLE FOR COUNTY 83

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.3	12	.19	123	243	444	291	5		1220		.53	84	9	13
MAXIMUM	9.0	16	.90	700	5250	5500	3500	10		11200		6.00	450	100	85
MINIMUM	7.0	5	.00	1	5	100	60	3		125		.01	25	0	1
NUMBER OF SAMPLES	30	12	30	30	30	30	30	12		30		145	541	485	97

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 55.5 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 29.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 9.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .2 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 41.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 7.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS .4 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 80.5 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 83

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.1	10	.13	16	24	116	88	3		199				65	
MAXIMUM	7.5	15	.37	31	38	180	140	4		333				300	
MINIMUM	6.4	7	.01	4	5	50	40	3		90				3	
NUMBER OF SAMPLES	11	9	12	12	12	12	12	9		12				13	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 76.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 30.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 23.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 100.0 PERCENT

TIPTON

WELL SUMMARY TABLE FOR COUNTY 84

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB.
AVERAGE												2.03	115	13	
MAXIMUM												18.29	592	750	
MINIMUM												.08	30	1	
NUMBER OF SAMPLES												261	627	546	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 99.5 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 73.6 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 3.8 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 83.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 25.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 5.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 80.7 PERCENT

TROUSDALE

WELL SUMMARY TABLE FOR COUNTY 85

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.1	13	.14	76	60	291	217			498	38	0	1.49	104	8	12
MAXIMUM	7.7	19	.25	150	163	390	320			831	38	0	12.50	330	50	64
MINIMUM	6.7	5	.05	28	25	210	70			348	38	0	.02	12	0	0
NUMBER OF SAMPLES	15	15	15	15	16	15	14			16	1	1	49	182	162	72

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 65.4 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 38.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 7.4 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 56.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 23.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 3.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 74.1 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 85

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.5	13	.04	21	22	190	126			323					18	
MAXIMUM	7.8	14	.09	35	38	290	275			461					50	
MINIMUM	7.0	12	.00	10	10	140	80			260					1	
NUMBER OF SAMPLES	4	2	6	6	6	6	6			6					6	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 66.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 33.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 33.3 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 100.0 PERCENT

UNICOI

WELL SUMMARY TABLE FOR COUNTY 86

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.90	159	25	
MAXIMUM													15.70	525	545	
MINIMUM													.00	49	1	
NUMBER OF SAMPLES													40	85	83	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 94.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 62.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 28.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 93.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 68.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 18.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 74.4 PERCENT

UNION

WELL SUMMARY TABLE FOR COUNTY 87

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.5		.05	11		219	191						.40	168	19	20
MAXIMUM	7.8		.05	20		360	295						12.00	700	600	72
MINIMUM	7.3		.05	2		170	160						.01	46	0	0
NUMBER OF SAMPLES	15		2	3		15	15						68	283	201	12

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 82.6 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 41.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 13.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 3.5 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 89.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 57.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 17.6 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 91.4 PERCENT

VAN BUREN

WELL SUMMARY TABLE FOR COUNTY 88

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													1.88	114	10	3
MAXIMUM													6.00	280	40	3
MINIMUM													.17	38	1	3
NUMBER OF SAMPLES													4	46	26	1

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 80.8 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 50.0 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 7.7 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 84.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 25.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 4.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 82.1 PERCENT

WARREN

WELL SUMMARY TABLE FOR COUNTY 89

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.5	17	.22	65	40	194	150					0	.84	97	17	40
MAXIMUM	9.0	17	2.00	550	125	740	600					0	3.33	400	500	129
MINIMUM	6.0	17	.01	8	13	30	30					0	.03	23	1	2
NUMBER OF SAMPLES	20	1	20	20	20	20	20					2	47	336	297	141

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 94.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 62.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 8.1 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.3 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 83.0 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 23.3 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 1.9 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 87.4 PERCENT

WASHINGTON

WELL SUMMARY TABLE FOR COUNTY 90

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													.19	240	17	
MAXIMUM													4.00	805	750	
MINIMUM													.00	35	0	
NUMBER OF SAMPLES													176	524	509	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 87.4 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 45.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 17.9 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.4 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 97.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 83.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 47.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 98.1 PERCENT

WAYNE

WELL SUMMARY TABLE FOR COUNTY 91

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.5	21	.31	12	25	85	48			191			1.45	139	13	69
MAXIMUM	8.0	64	3.50	55	62	340	150			620			8.00	3003	115	235
MINIMUM	5.5	14	.00	3	12	0	10			24			.08	7	0	2
NUMBER OF SAMPLES	41	16	75	17	16	75	17			28			59	449	364	100

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 86.8 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 66.5 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 10.7 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .3 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 75.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 48.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 8.5 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 94.8 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 91

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.6	15	.20			52									105	
MAXIMUM	8.0	59	1.00			103									400	
MINIMUM	5.7	10	.00			17									4	
NUMBER OF SAMPLES	26	28	21			26									19	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 100.0 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 84.2 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 63.2 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 36.8 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS .0 PERCENT

WEAKLEY

WELL SUMMARY TABLE FOR COUNTY 92

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE													2.95	114	18	
MAXIMUM													25.00	355	190	
MINIMUM													.11	20	2	
NUMBER OF SAMPLES													662	1047	914	

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 99.8 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 96.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 11.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .1 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 78.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 31.1 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.1 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 96.6 PERCENT

WHITE

WELL SUMMARY TABLE FOR COUNTY 93

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.1	15	.12	24	38	179	144			245	122	6	.54	98	19	48
MAXIMUM	8.5	19	1.37	300	163	650	480			245	1190	72	2.00	490	1000	80
MINIMUM	5.5	13	.00	4	25	40	15			245	0	0	.01	11	0	4
NUMBER OF SAMPLES	104	16	107	107	105	107	107			1	12	12	44	224	160	31

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 88.1 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 46.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 7.5 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 1.3 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 84.5 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 30.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 2.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 83.7 PERCENT

WILLIAMSON

WELL SUMMARY TABLE FOR COUNTY 94

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.5	63	.66	240	314	329	197			646		1.70	210	9	22
MAXIMUM	8.5	63	9.00	880	5500	1500	750			3306		55.00	1936	300	136
MINIMUM	6.1	63	.00	1	12	50	10			127		.00	16	0	0
NUMBER OF SAMPLES	42	1	43	40	38	43	42			32		178	930	867	370

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 57.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 28.5 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 9.2 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .7 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 82.4 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 50.6 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 16.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 80.8 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 94

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	6.9	23	.96	132	32	200	118			424				67	
MAXIMUM	7.4	62	4.40	680	50	460	220			1165				400	
MINIMUM	6.6	16	.00	4	13	90	50			143				1	
NUMBER OF SAMPLES	7	7	7	7	7	7	6			7				11	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 72.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 54.5 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 36.4 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 27.3 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 75.0 PERCENT

WILSON

WELL SUMMARY TABLE FOR COUNTY 95

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.2	14	.20	55	260	272	210	7	134	884	62	132	.40	137	8	13
MAXIMUM	8.5	18	1.18	620	5950	2500	1500	7	134	11900	608	3700	7.50	1004	100	102
MINIMUM	5.4	8	.00	7	10	20	20	7	134	67	0	0	.00	10	0	0
NUMBER OF SAMPLES	94	75	93	93	83	98	95	1	1	38	23	31	324	1087	960	280

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 62.7 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 33.9 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 6.6 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .1 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 83.9 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 37.8 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 3.6 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 69.3 PERCENT

SPRING SUMMARY TABLE FOR COUNTY 95

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.1	16	.27	21	23	271	239			426					9	
MAXIMUM	8.0	22	.60	28	25	325	320			452					50	
MINIMUM	6.5	14	.01	16	10	180	140			400					1	
NUMBER OF SAMPLES	16	16	13	13	13	13	13			2					13	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 30.8 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 15.4 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 15.4 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS .0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 100.0 PERCENT

STATE

WELL SUMMARY TABLE ALL COUNTIES IN STATE

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.0	15	.34	45	102	178	143	7	185	537	632	108	1.49	137	20	37
MAXIMUM	9.0		9.99	880	6135	5500	3500	21	838	11900	49000	4000	200.00	6083	5000	2058
MINIMUM			.00	0	1	0	0	1	0	7	0	0	.00	2	0	0
NUMBER OF SAMPLES	1366	490	1569	1162	959	1631	1161	173	46	467	104	119	11277	43379	34208	4644

WELL YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 83.9 PERCENT

THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 51.7 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 13.0 PERCENT

THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 2.3 PERCENT

WELL DEPTH PROBABILITIES

THE PROBABILITY OF HAVING TO GO DEEPER THAN 50 FEET IN THIS AREA TO OBTAIN WATER IS 80.2 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 100 FEET IN THIS AREA TO OBTAIN WATER IS 39.7 PERCENT

THE PROBABILITY OF HAVING TO GO DEEPER THAN 200 FEET IN THIS AREA TO OBTAIN WATER IS 10.0 PERCENT

GOOD WATER PROBABILITIES

THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 86.4 PERCENT

SPRING SUMMARY TABLE ALL COUNTIES IN STATE

	PH	TEMP	IRON	SO4	NACL	THD	CHD	SIO2	ALKA	TDS	COLI	FEC	SPEC/CAP	DEEP	YIELD	OVB
AVERAGE	7.0	15	.17	23	28	124	112	6	150	244	3139	681			114	
MAXIMUM	8.5	62	4.40	680	63	460	320	64	186	1165	13100	3100			2270	
MINIMUM	4.3	7	.00	0	4	0	0	1	119	5	284	0			1	
NUMBER OF SAMPLES	238	243	222	162	146	247	158	28	3	62	8	8			259	

SPRING YIELD PROBABILITIES

THE PROBABILITY OF OBTAINING 3 GPM OR MORE IN THIS AREA IS 81.9 PERCENT

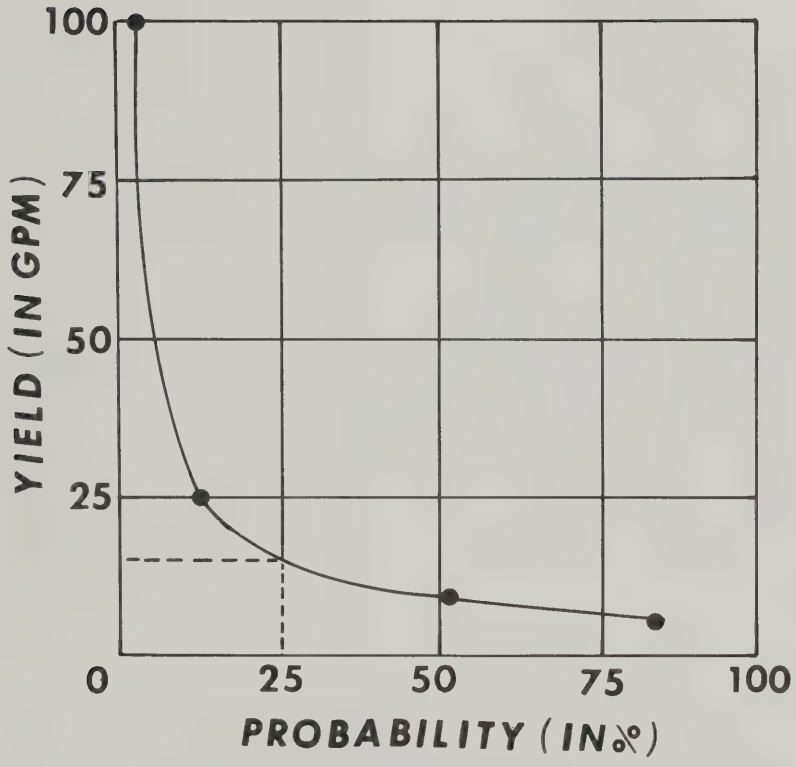
THE PROBABILITY OF OBTAINING 10 GPM OR MORE IN THIS AREA IS 58.3 PERCENT

THE PROBABILITY OF OBTAINING 25 GPM OR MORE IN THIS AREA IS 40.2 PERCENT

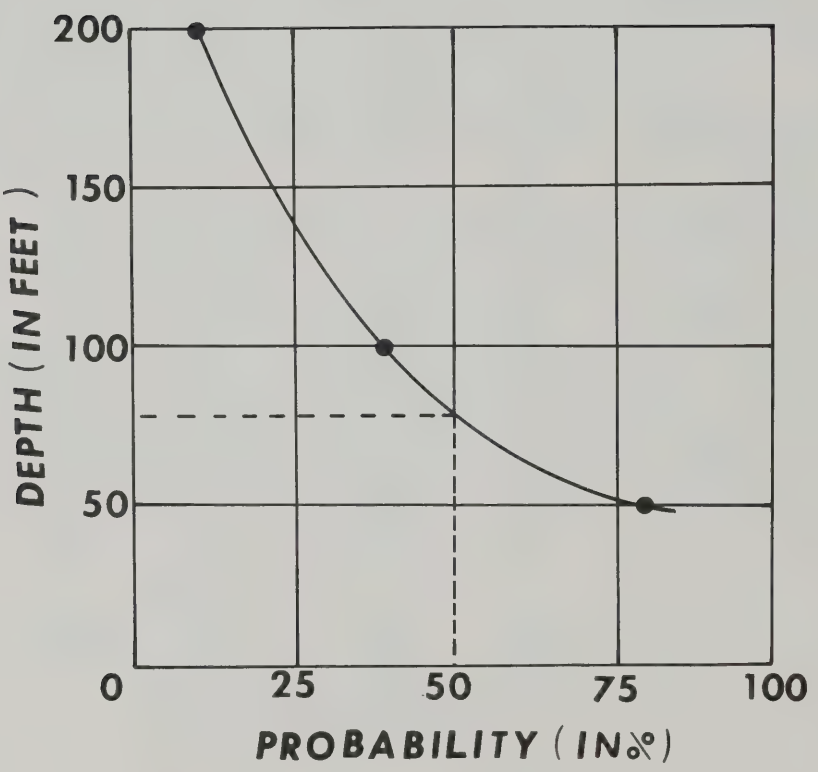
THE PROBABILITY OF OBTAINING 100 GPM OR MORE IN THIS AREA IS 25.1 PERCENT

GOOD WATER PROBABILITIES

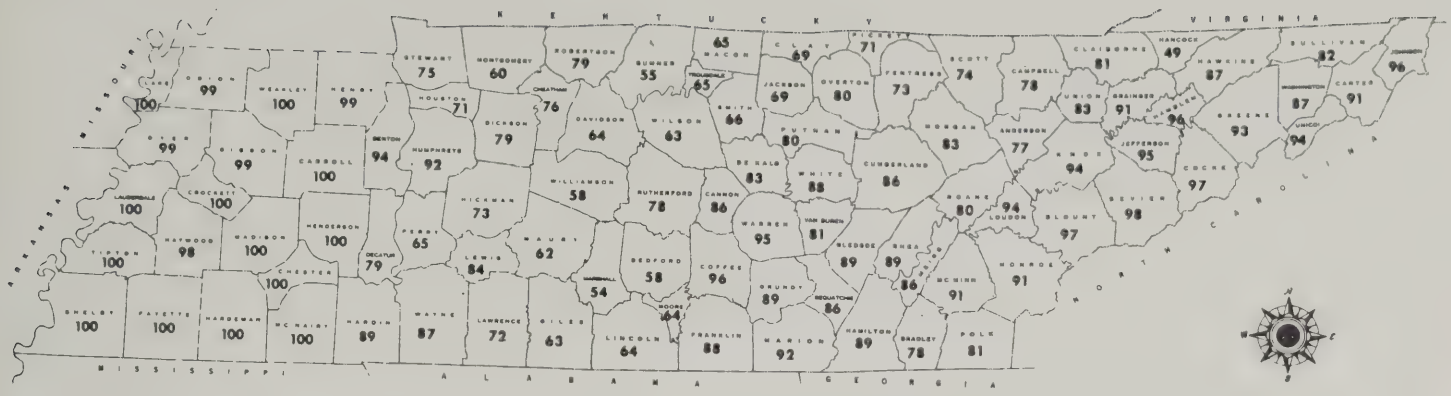
THE PROBABILITY OF OBTAINING GOOD WATER (CONTAINING NO SULFUR,IRON,SALT,OIL,GAS) IN THIS AREA IS 94.3 PERCENT



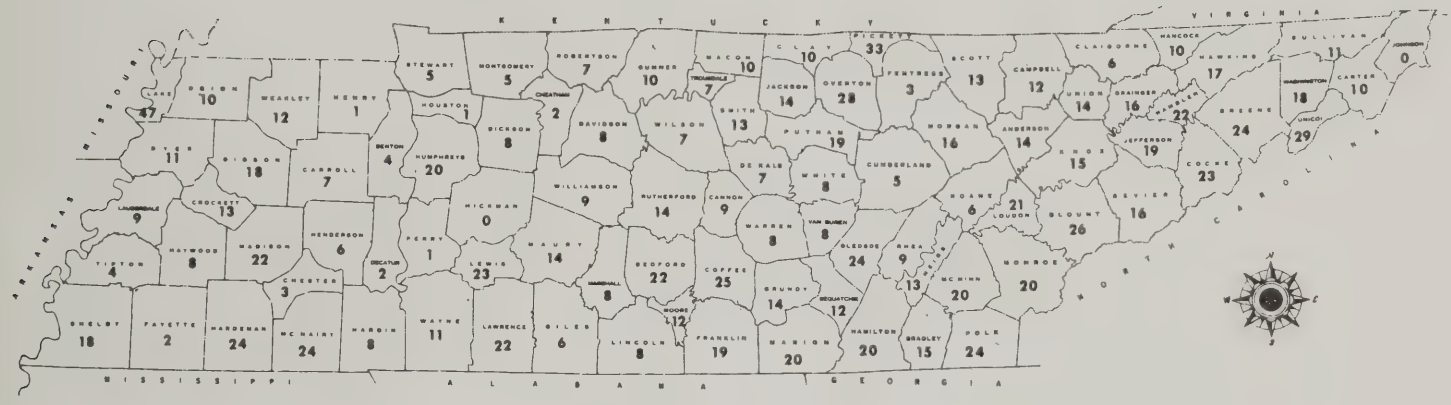
Probability of well yields in Tennessee
(example - 25 out of 100 wells drilled statewide will yield 15 GPM or more).



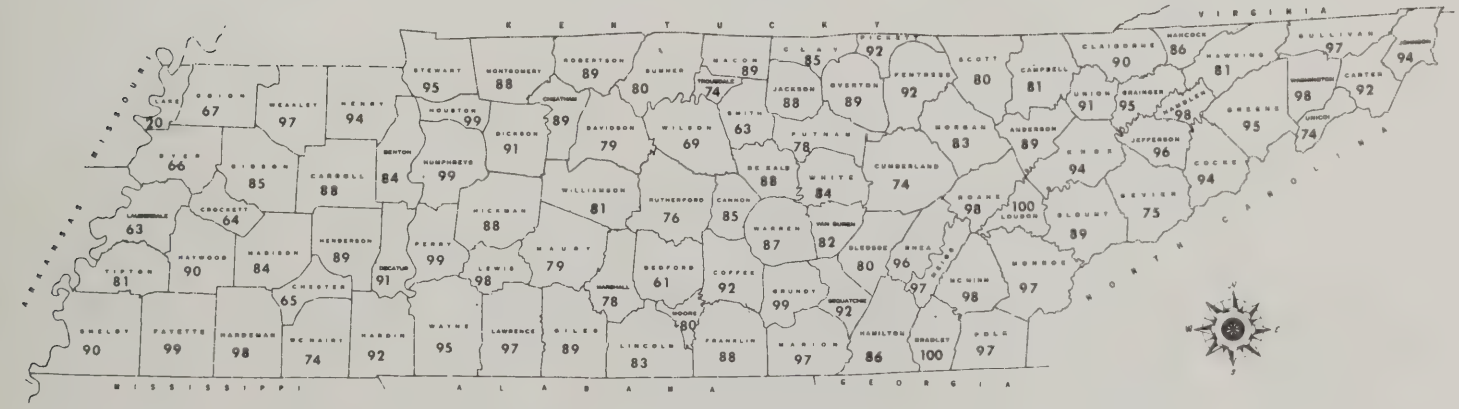
Probability of well depths in Tennessee
(example - one-half of the wells drilled statewide will obtain water at 80 feet or less below land surface).



PROBABILITY OF OBTAINING A DOMESTIC SUPPLY (3 GPM OR MORE)



PROBABILITY OF OBTAINING 25 GPM OR MORE



PROBABILITY OF OBTAINING GOOD WATER

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STATE OF TENNESSEE

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Department of Conservation

WILLIAM JENKINS, *Commissioner*

Division of Water Resources

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GUIDEBOOK

for the

SPRING FIELD TRIP

of the

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TENNESSEE ACADEMY OF SCIENCE

and the

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INTRODUCTION

This trip will feature glimpses of the minerals industry in Scott County, located on the northern Cumberland Plateau in Tennessee. This region is known to be quite rich in fossil fuels, and man has been engaged for literally hundreds of years in removing these essentials from the earth. In the past, collecting these materials from any area meant the total destruction of the land for any other purpose. The renewed interest in the environment in recent years, however, has forced men to take another look at the methods used in strip-mining and oil field management in order to leave the area unspoiled. The more pastorial pastimes of hiking, canoeing, fishing, camping, and indeed any outdoor activity that can be enjoyed in an area such as South Fork of the Cumberland River, have grown rapidly in favor, and promotion of these activities captures a large part of the legislator's time.

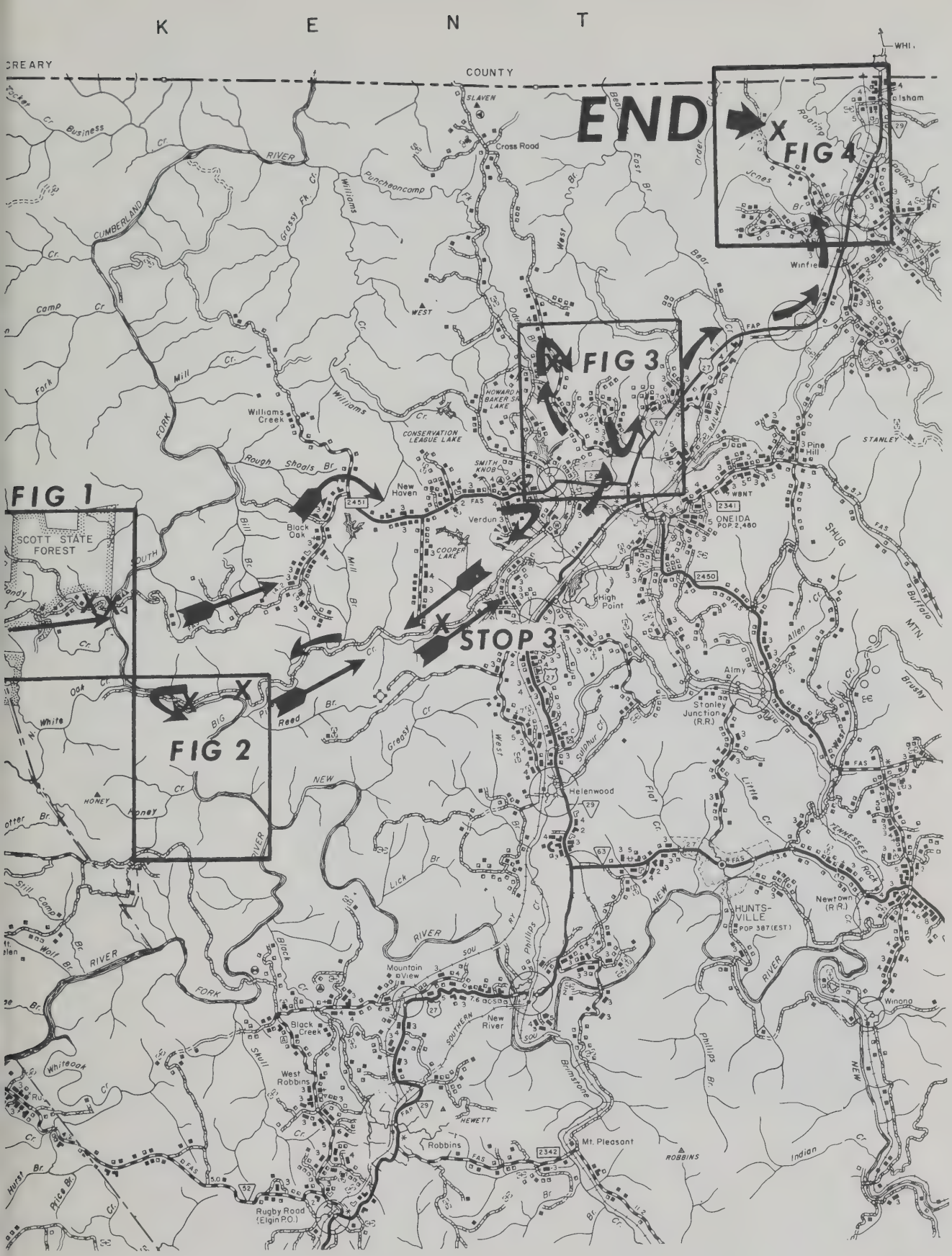
The central feature of any recreational interest in this area is, of course, the gorge of the Big South Fork of the Cumberland River. Its massive bluffs and deeply entrenched valleys give the river one of the most spectacular settings of any stream in the eastern United States. The gorge is nowhere deeper than 700 feet, but the walls are so steep that the river is quite aweinspiring. The streams themselves have a very interesting character: along many reaches, they are peaceful and quiet, but where the gradient is steep or during rainy times, they quickly become fierce. During this trip, we will see both of "the two faces" of the Big South Fork. At Leatherwood Ford the river is normally fairly peaceful, but where the abandoned bed of the Oneida and Western railroad crosses the river, it is mostly white water.

As was stated in the Memorandum setting up this trip, it is not the purpose of the trip leaders to push either the views of the environmentalist or the minerals industries, but to give all a chance to see this part of the country that seems to be featured on the front pages of newspapers every day.

The map on the following page shows the trip in its entirety, with figures to show details on later pages. The trip will begin at Pickett State Park, at an early hour on April 7th, 1972, and will end at about 3:00 P.M. at Oneida.

We would strongly suggest that if you have not been to Pickett State Park before, that you allow yourself plenty of time to play tourist. Get there in time to go see the natural bridges cut in sandstone, the picturesque lake, the swinging suspension bridge, and the miles of soul-relaxing trails. If possible, bring along your wife and children. There will be some wives that will stay at Pickett during the field trip on Friday, so there will be company.

START
TO WHITLEY CITY, KY.
PICKETT STATE PARK AND FOREST
PICKETT STATE PARK AND FOREST
PICKETT LAKE
BIG FORK
BRANUM
JAMESTOWN
POP 1,727
East Jamestown
ALLARDT
POP 856 (EST.)
Stockton
Armathwaite
Cumberland Grove
Tinch
Shirley
Little South Fork
Dobbs Cr.
Longham Br.
Flint Fork
Rock Cr.
Mossy Cr.
House Cr.
Stokes Cr.
Brooks Cr.
Jim Cr.
Bud Cr.
Little Jack Cr.
Dabney Br.
Williams Cr.
Wolf River
Pogue Cr.
Dale Cr.
Little Dry Cr.
Stewart Cr.
Jesse Cr.
Crockett Cr.
Panther Br.
Bear Br.
Nichol Cr.
North Fork
White Oak Br.
Yellow Lynn Br.
Mill Cr.
Fritzsche Br.
Long Cr.
Crooked Br.
Brushy Fork
Thompson Cr.
Rock Cr.
Andy Cr.
Middle Cr.
Mill Cr.
Ben Cr.
Little Rock Br.
Laurel Fork
Rockhouse Br.
Station Camp Br.
Crooked Br.
Black House Br.
Hatfield Cr.
Crockett Cr.
Spruce Gum Br.
Laurel Cr.
Sun Br.
Groom Cr.
East Prong Hill Cr.
West Prong Hill Cr.
Lick Mill Seat Cr.
Panther Br.
White Oak Br.
North Fork
Plateau
Goad
Rock Br.
Good Spring Br.
Fork
Campbell Cr.
Big Cave Br.
Skull Cave Cr.
Clear Raven Cr.
Patten Br.
Bear Br.
Born Cr.
Cr.
Br.
FAS
SP
154
52
28
27
4240
4241
4450
2451


K E N T
END
FIG 1
FIG 2
FIG 3
FIG 4
STOP 3
SCOTT STATE FOREST
ONEIDA POP. 2,460
HUNTSVILLE POP 387 (EST)
Cross Road
Williams Creek
New Haven
Verdun
Black Oak
High Point
Almy
Stanley Junction (R.R.)
Helenwood
Newtown (R.R.)
Winona
Mountain View
New River
West Robbins
Black Creek
Robbins
Mt. Pleasant
Rugby Road (Elgin P.O.)
Pine Hill
Winfield
Elsham
CUMBERLAND RIVER
Big Reed Br.
Greasy Cr.
Rough Shoals Br.
Mill Fork
Williams Fk.
Puncheoncamp Fk.
Bear Cr.
Phillips Br.
Brimstone
Indian
Whitecoat
Wolf Br.
Still Camp
Honey
Lick Br.
Sulphur Cr.
Little Cr.
Allen
Shug
Buffalo Mtn.
Brushy
Tennessee Rock
Conservation League Lake
Howard Baker Sr. Lake
Cooper Lake
Smith Knob
Fap
Fas
Scs
Wbnt
Wbrt
Wsm
Wsix
Wtvf
Wtvn
Wtvq
Wtvr
Wtvs
Wtvt
Wtvu
Wtvv
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Wtxi
Wtxj
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Wtxl
Wtxm
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Wtzo
Wtzp
Wtzq
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Wtzx
Wtzy
Wtzz

Cumulative Mileage	Since last Note	
0.0	0.0	Trip starts at Pickett State Park Office, South toward Jamestown.
3.8	3.8	Left (east) on Leatherwood Ford Road.
13.0	9.2	Fentress-Scott County line.
14.0	1.0	Picturesque stream flowing on Pennsylvania sandstones.
14.7	0.7	Small spring typical of this area issuing from a sandstone overhang on left.
15.0	0.3	STOP 1. Cross-bedding and "things" in sandstone bluff on left up hill 30 feet. Tentatively identified as limonitic concretions. See Figure 1.

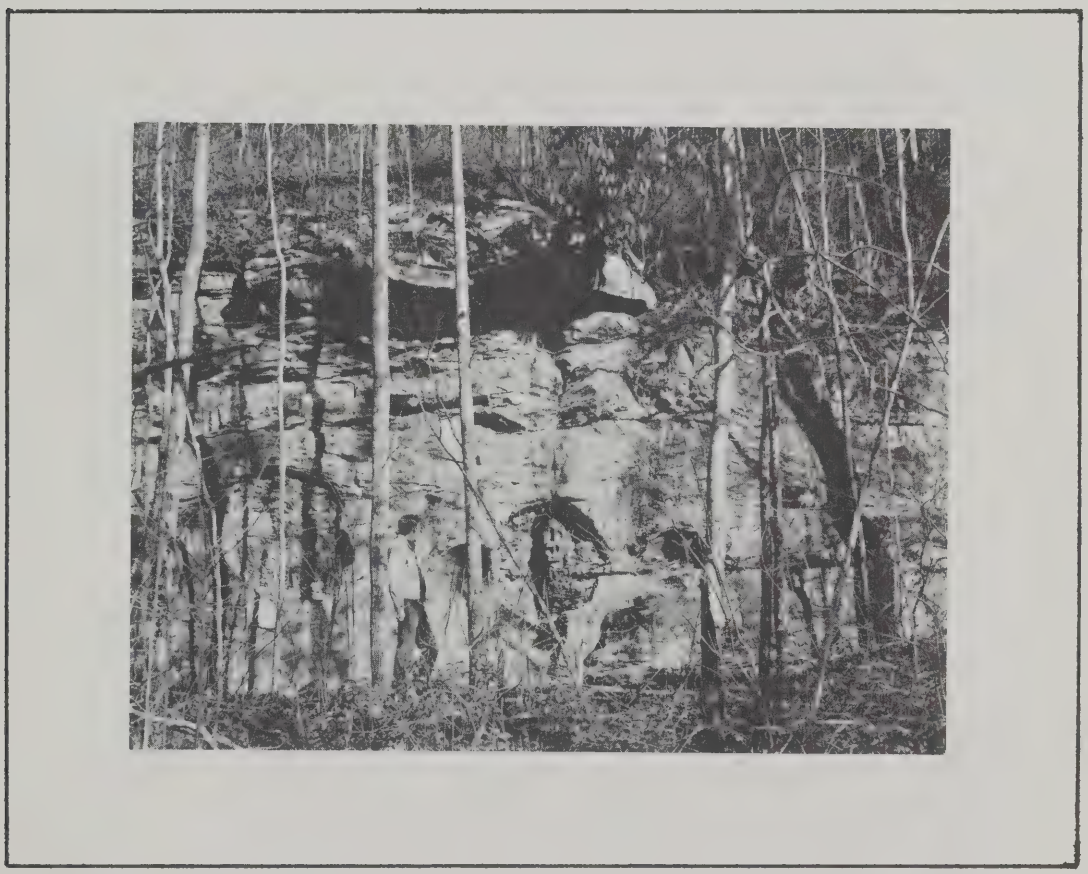

Photo 1. Limonite concretions (?) in sandstone, west of Leatherwood Ford.

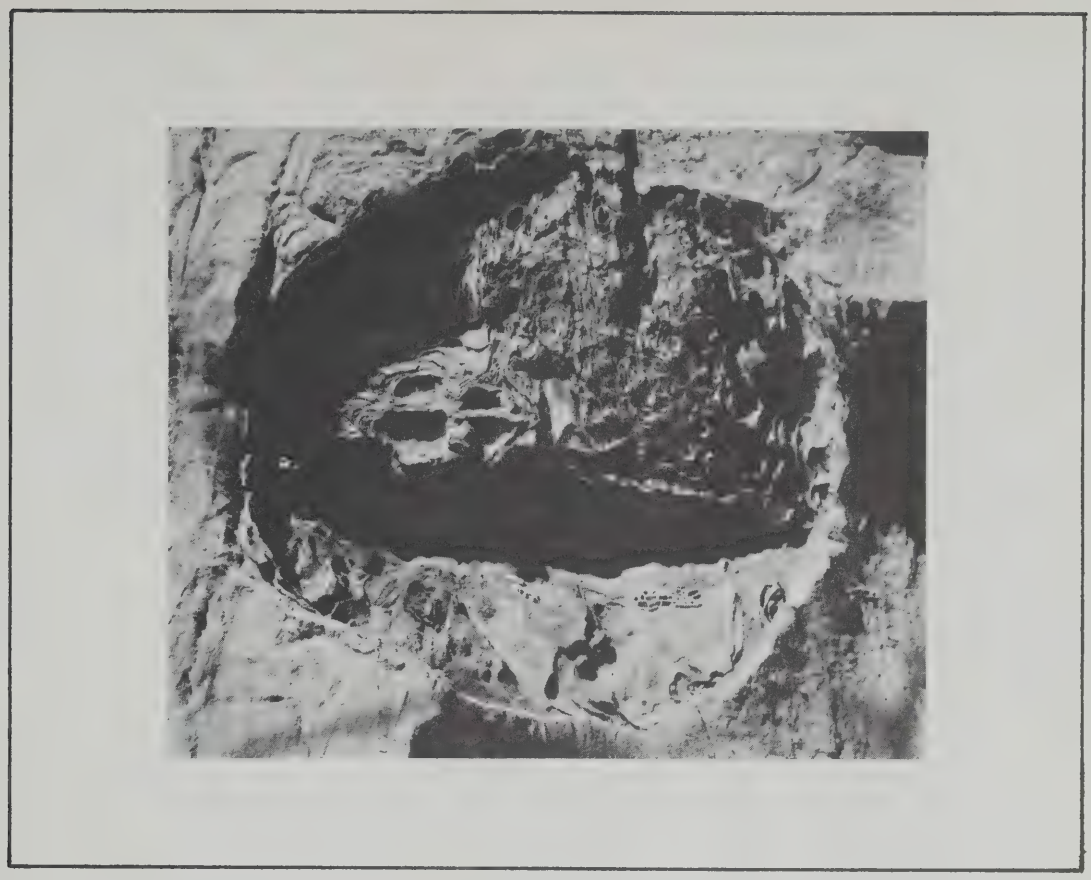

Photo 2. Closeup of concretions in Photo 1.

Cumulative Mileage	Since last note	
15.7	0.7	STOP 2. Leatherwood Ford on Big South Fork Cumberland River. Brief stop on far side for picture taking. See Figure No. 1.
16.7	1.0	Note crossbeds on right.
22.0	5.3	Turn right on "Y" crossroads.
26.1	4.1	Oneida city limits.
26.6	0.5	90° Left.
26.65	0.05	90° Right.
27.1	0.45	U.S. Post Office and Federal Office Building at Oneida. It is necessary to leave as many vehicles as possible here, as there is limited road access as well as limited parking and turning-around space at the next several stops. It is possible that the log may deviate here depending on whether any current oil activity is going on in the main part of Oneida West field. If there is activity to be seen, we will go west on Leatherwood Ford Road to Pistol Lane, turn south, and proceed to the field. The log would then proceed from our return to the Post Office.

Cumulative Mileage	Since last note	
27.1	0.0	Log begins at Post Office - Go west from Post Office on second street - turn Right at dead end. Turn Left on Leatherwood Ford Road at stop sign.
28.9	1.8	Turn left on Verdun Road.
29.4	0.5	Bear right at wood plant, on bed of abandoned Oneida and Western railroad track.
31.0	1.0	Cross Pine Creek - first of several crossings.
32.3	1.3	STOP 3. In southern part of Oneida West oil field. Production mainly from the Fort Payne Formation on Mississippian Age. For further information, Appendix No. 1. From this point on, note any geologic or scenic feature you would like to stop to observe or photograph on the return trip, and let one of the trip leaders know at one of the next two stops.

Photo 3. Pump and storage tanks on O & W road, Oneida West Oil Field.

Cumulative Mileage	Since last note	
36.1	3.8	Gorge on left.
37.8	1.7	STOP 4. Scenic Overlook of the Big South Fork of the Cumberland River. View is even more spectacular if you climb up for a short distance on the hill to your right. See figure 2.

Photo 4. View upstream from vantage point of Stop No. 4.

Photo 5. View downstream from Stop No. 4.

Cumulative Mileage	Since last note	
37.9	0.1	Indian Head rock ahead.
39.0	1.1	River bridge across South Fork. In this part of the river where the drop in feet per mile has increased considerably, the canoeist is probably wondering what in the world he is doing on this river. Appendix No. 2.
		At this point, we turn around (by the hardest), and head back to Oneida, where we will eat lunch at Tobe's Restaurant, located on Highway No. 27N, on the North side of Oneida. Log will begin again at 0.0 miles at Tobe's.

Photo 6. View downstream at River Bridge across the Big South Fork.

Cumulative Mileage	Since last note	
0.0	12.1	Leave Tobe's, heading South on Hwy. 27.
0.8	0.8	First red light, turn right. Bear left at Trammel's Grocery.
2.8	2.0	Turn right.
3.4	0.6	STOP 5. Turn right into Daughtery and Daughtery Coal Company Strip Mine. This is currently the largest operation going on in Scott County, and is a good example of a moderate-relief mine operating under current laws. See Figure 3 and Appendix No. 3.

Photo 7. D & D Coal Company, the largest stripping operation in Scott County.

Cumulative Mileage	Since last note	
4.4	1.0	Exit D and D mine, turn left.
6.8	2.4	Fork to right at store. One block, turn left at U.S. Hwy. 27.
12.0	5.2	Turn left over railroad tracks, at Winfield Church sign, then immediately back to the right.
15.1	3.1	STOP 6. Examples of unreclaimed moderate-relief coal strip mines - these were stripped before the current laws were enacted. See Figure 4. Walking through the orphan pit, the area to the west has all been reclaimed under current regulations. This area was stripped in 1971. Depending on the weather, we have arranged to see a high-relief strip mine currently under operation, in an area southeast of here. As travel to the mine is strictly a dry-weather trip for most vehicles, we will again play it by ear. If the roads do not permit, the trip will officially end here. For the journey back to Nashville, we suggest you take highway 27 south to Elgin, then turn west on highway 52, past Rugby, on to straight across here to highway 127, then south to Interstate 40.

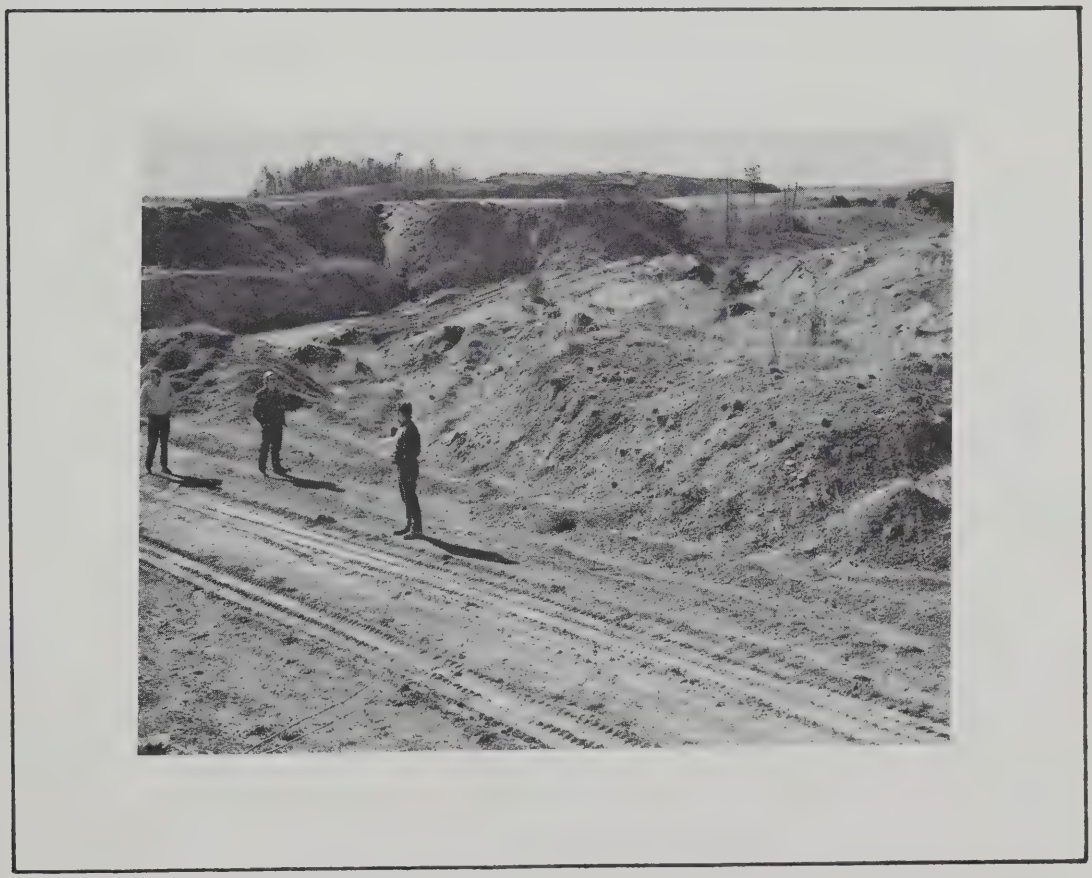

Photo 8. Unreclaimed "Orphan" pit northwest of Winfield.

Photo 9. Land reclaimed from strip-mining, under current regulations.

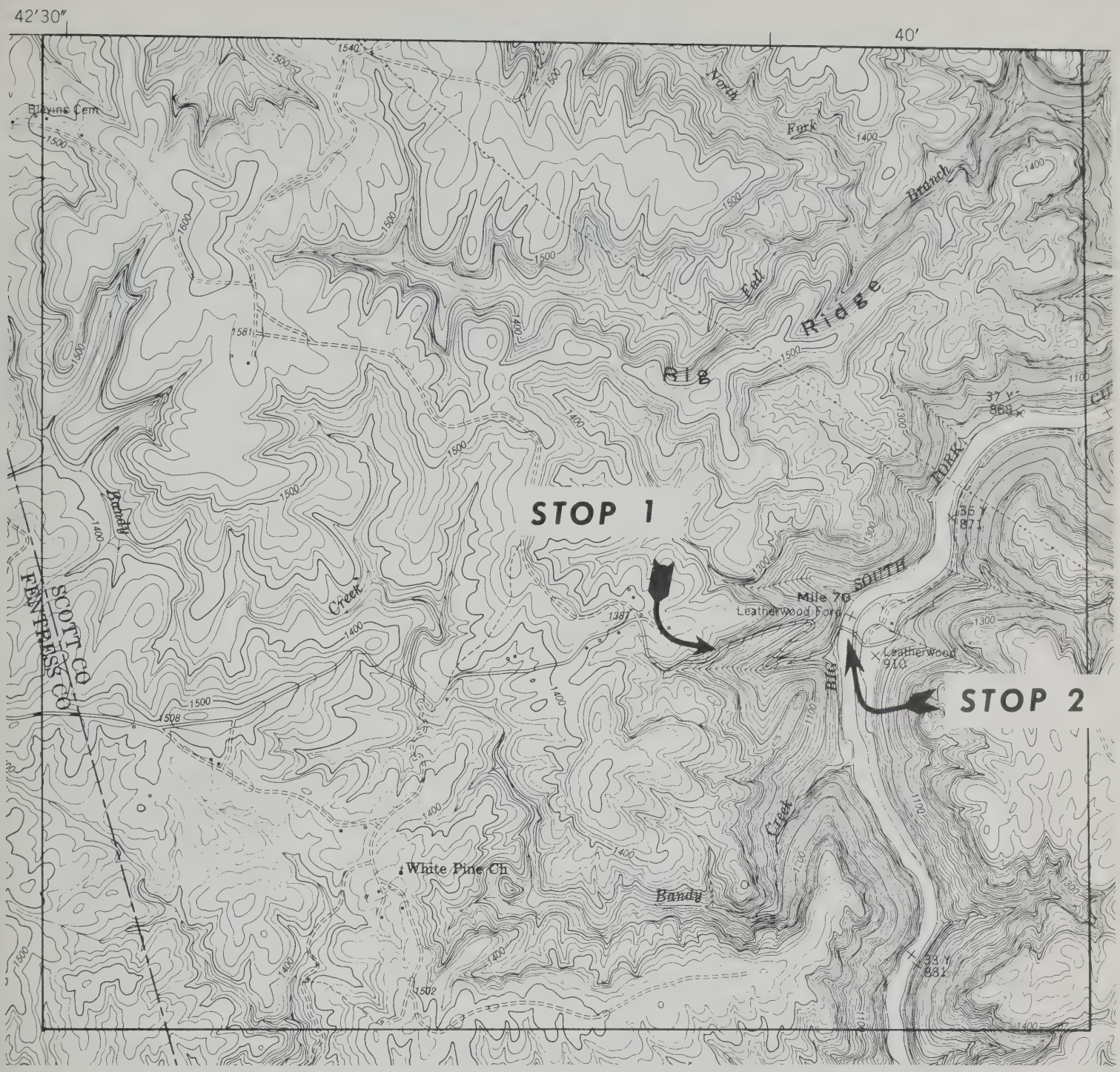
42'30"
40'
Elkyns Cem
North
Fork
Branch
Big
East
Ridge
STOP 1
STOP 2
Mile 70
Leatherwood Ford
Leatherwood
910
SOUTH
FORK
Big
Creek
Bandy
Creek
SCOTT CO
FENTRESS CO
White Pine Ch
1581
1387
1502
37 Y
868
36 Y
871
33 Y
881

FIGURE 1

SCENIC VIEWS OF BIG SOUTH FORK

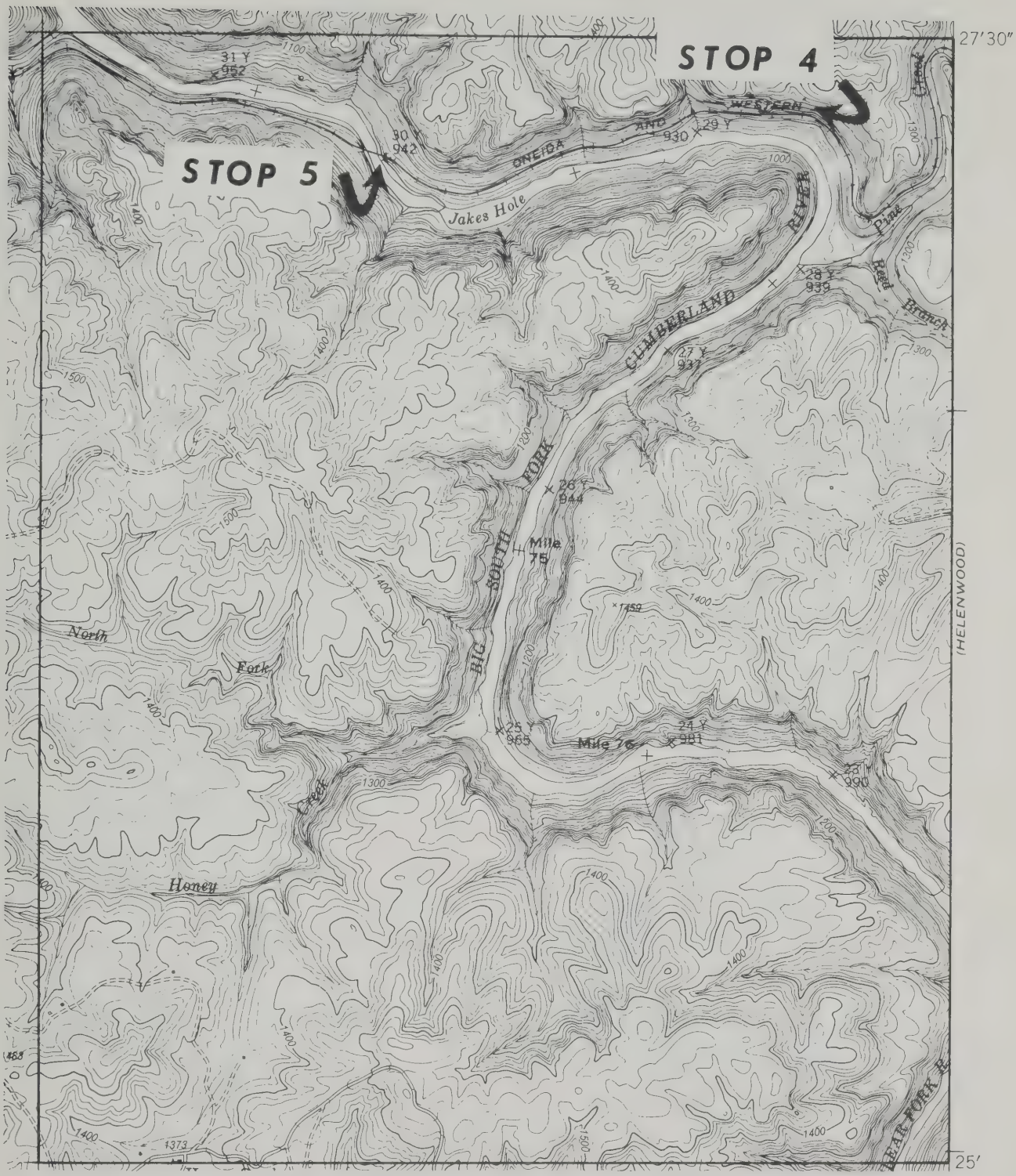

FIGURE 2

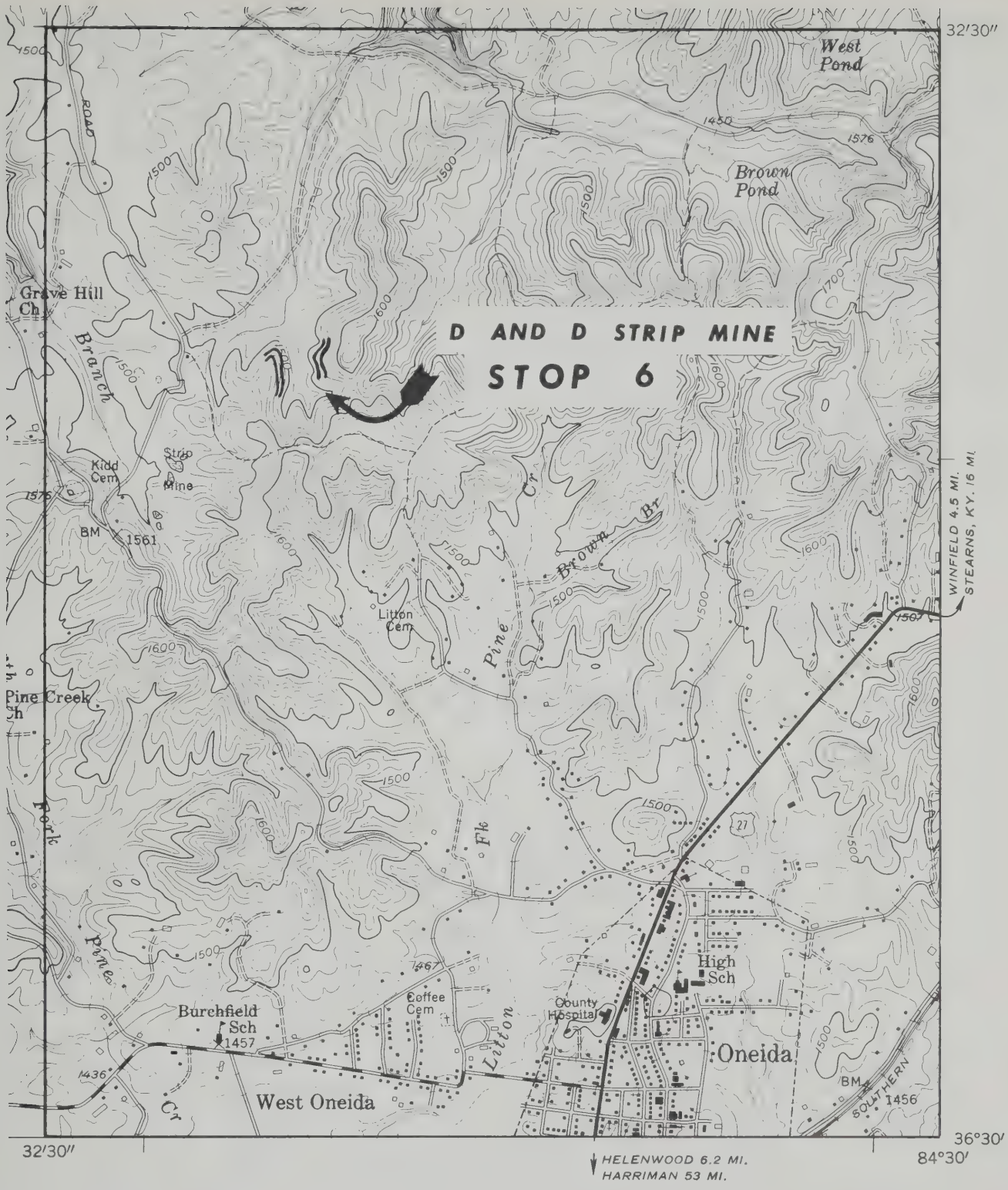
D AND D STRIP MINE
STOP 6
West Pond
Brown Pond
Grave Hill Ch
Kidd Cem
Strip Mine
BM 1561
Litton Cem
Pine Creek Ch
Burchfield Sch 1457
Coffee Cem
County Hospital
High Sch
Oneida
West Oneida
BM 1456
SOUTHERN
WINFIELD 4.5 MI.
STEARNS, KY. 16 MI.
HELENWOOD 6.2 MI.
HARRIMAN 53 MI.
32'30"
36°30'
84°30'

FIGURE 3

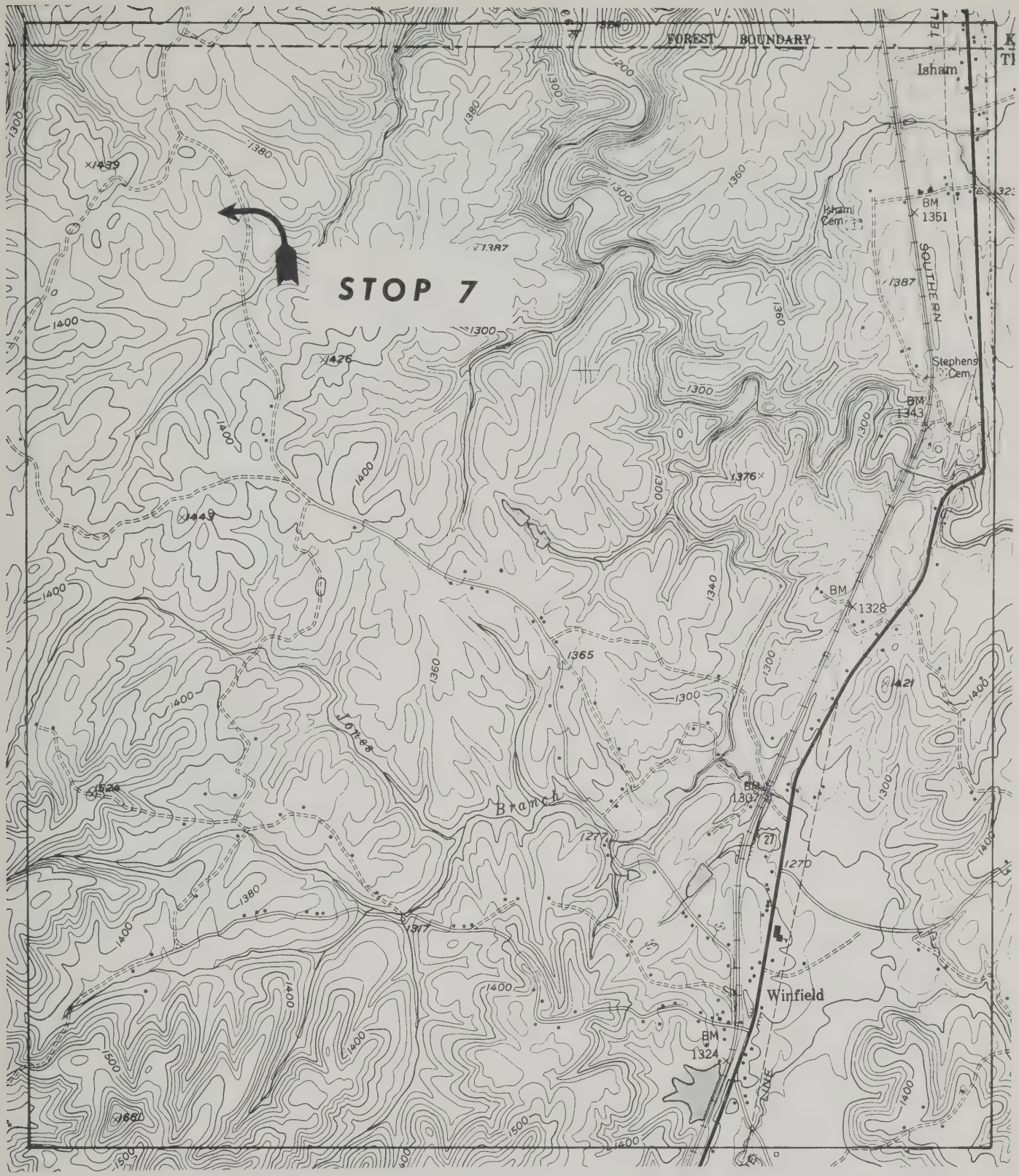
STOP 7
FOREST BOUNDARY
Isham
Isham Cem.
BM 1351
SOUTHERN
Stephens Cem.
BM 1343
BM 1328
BM 1307
Winfield
BM 1324
Lower
Branch
1439
1476
1449
1376
1387
1365
1421
1277
1270
1317
1524
1660
1400
1380
1360
1340
1300
1200
1500
27

FIGURE 4

APPENDIX I

FORT PAYNE PRODUCTION IN THE ONEIDA WEST AREA, SCOTT COUNTY, TENNESSEE

Anthony T. Statler
Tennessee Division of Geology, Nashville, Tennessee

Adapted from: Proceedings of Symposium on Future Petroleum Potential of NPC Region 9, Illinois Geological Survey, Petroleum No. 95.

The largest oil find in Tennessee history is the Oneida West field, Scott County, a lower Mississippian Fort Payne discovery located on the Cumberland Plateau about 40 miles northwest of Knoxville and 8 miles south of the Kentucky line. Regionally, the field is situated on the southeast flank of the Cincinnati Arch some 25 miles east of the Mississippian outcrop belt. In this area, the Mississippian is overlain by about 900 feet of Pennsylvanian sandstones and shales. Regional dip is southeastward about 40 feet per mile.

The discovery well, originally completed with cable tools in May 1969, was deepened and recompleted in September for 150 BOPD natural from a depth of about 1,450 feet. Development was slow until May 1970, when an outpost about 3/4 mile northeast of the discovery well established good production in the northern lobe of the field. By the end of 1970, there were about 20 producing wells with initial flowrates ranging from 100 to 1,200 BOPD, considerable amount of associated gas, and no water. In addition, five gas wells (shut-in) had been drilled along the northwest, or updip, edge of the productive area.

Production is from a fine- to medium-crystalline, noncherty, dolomitic limestone in the middle of the Fort Payne Formation. This limestone is overlain by tight siltstones and very fine-grained sandstones and is underlain by about 50 feet of very cherty, nonporous limestone and silicastone. Sample studies suggest that the productive limestones grade laterally into or pinch out against the nonporous cherty carbonates. Dry holes and edge wells have little or no noncherty limestones but do have a total carbonate interval at least as thick as that in the producing wells. Neutron and density logs indicate that the pay consists of one to three zones of porosity with a net thickness ranging from 3 to 30 feet. The type and distribution of production suggest that these zones are connected and that a gas cap is present in part of the field.

In the Oneida West area, detailed structural mapping indicates that the accumulation is stratigraphic. Although the top of the Fort Payne carbonate section is somewhat irregular, there does not appear to be updip closure on this horizon, and the more limited data on the Chattanooga Shale support this interpretation. Two faults have been mapped at the surface several miles to the northeast.

Possibilities for Fort Payne reservoirs comparable to the Oneida West reservoir exist over a large area in the northern Cumberland Plateau. The Oneida West Pool appears to be unlike the shallower, biohermal Fort Payne accumulations to the west and northwest. Hopefully, detailed studies of this pool and data from current and future wildcats will provide some guidelines for Fort Payne exploration in this region.

Crude oil production for the entire State of Tennessee 1971 was 398,424 barrels, up 25.6% over 1970.

The Oneida West Field alone produced 369,500 bbl from a total of 45 wells in 1971, and cumulative production totaled 702,000 bbl since mid-1969. Although some 20 completions were made during the year, the production rate declined appreciably due to the excessive flaring of gas in 1970 and 1971. In August the State Oil and Gas Board shut in a number of wells with excessive GOR's, and by year-end the field was producing about 550 BOPD. This reservoir appears to be an excellent candidate for repressuring, but thus far there have been no serious attempts to initiate such a project.

Natural gas produced in Tennessee in 1971 totaled 90.3 MMCF, mostly from Scott and Morgan Counties.

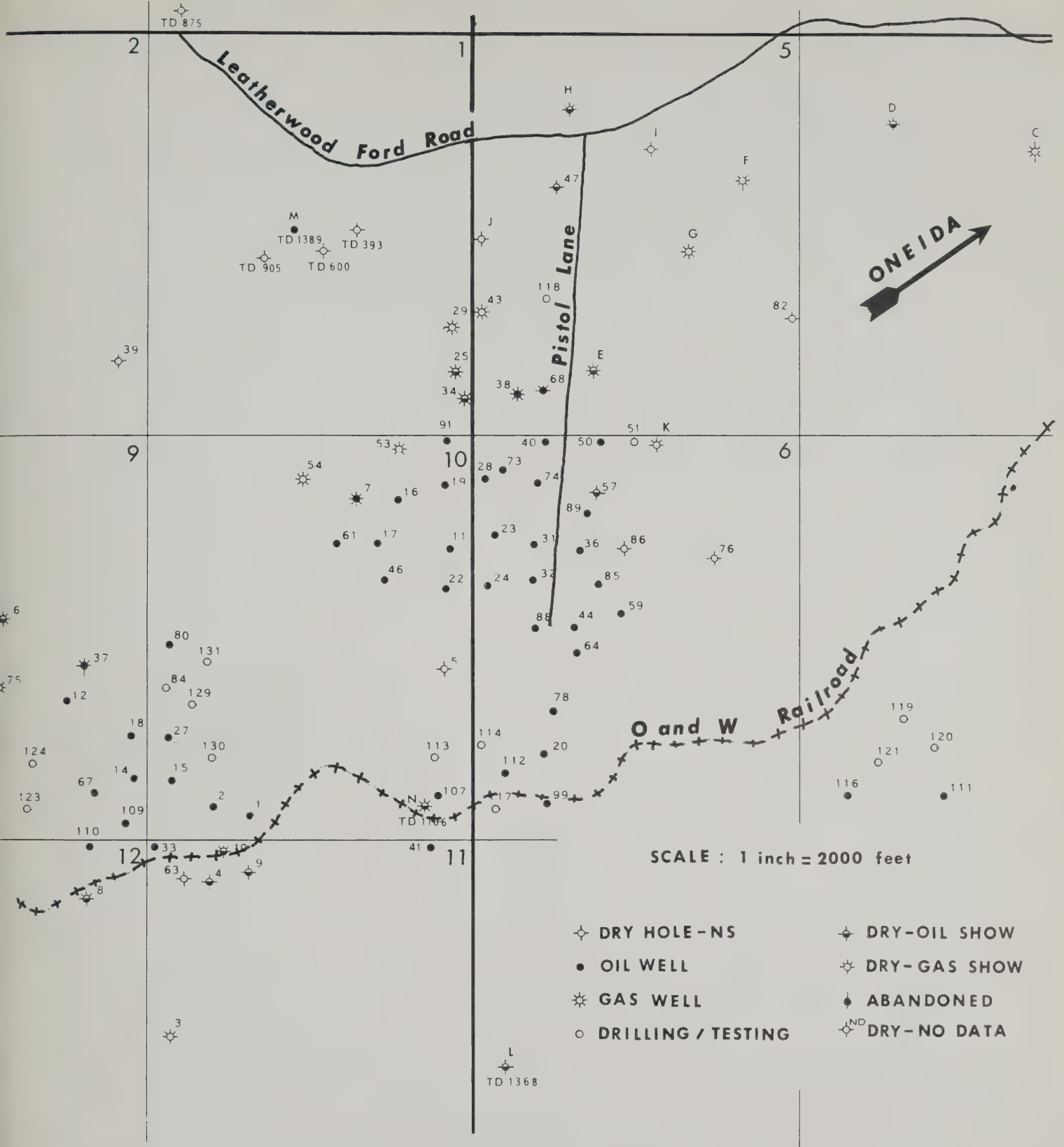

FIGURE 5

ONEIDA WEST AREA

SCOTT COUNTY, TENN.

APPENDIX 2

Surface Water Hydrology

The South Fork Cumberland River has 1,382 square miles of drainage area. The basin is in the Cumberland Plateau Physiographic Province with 978 square miles in Tennessee and the remainder in Kentucky. This includes practically all of Scott County and parts of Anderson, Campbell, Fentress, Morgan, and Pickett Counties, Tennessee. It lies entirely within the Appalachia Region of the United States.

The basin is sparsely populated. It probably has less than 50 persons to the square mile. The western portion of the basin was once known as "The Wilderness" because of the wild nature of the area and the lack of human inhabitants.

The elevation of the Tennessee portion of the basin varies from about 800 feet above sea level at the State line to about 3,500 feet at the southeast divide.

The South Fork Cumberland River flows in a generally northerly direction from the confluence of New River and Clear Fork to its mouth at Burnside Kentucky. From here, it flows into the Cumberland River. New River, the main headwater stream, flows generally northwesterly from its source near Fork Mountain to its mouth just downstream from the town of New River. Clear Fork, including its two headwater prongs, flows generally northeasterly from its source near Clarkrange to its confluence with New River. These are the only tributaries of the South Fork with drainage areas of more than 125 square miles. However, there are many smaller tributaries that help make up the drainage pattern of the basin.

All the water within the basin comes directly from precipitation in the form of rain, snow, and sleet. All streams head up within the basin and the major surface-water divides apparently are also the ground-water divides. The precipitation that falls on the basin is either discharged from the basin by surface streams, evaporated, or transpired by plants, plus or minus any change in ground-water storage.

The value of water in streams for municipal, industrial, or other use is determined by three factors: quantity of water, quality of water, and accessibility of this water. The location is fixed, but the quantity and quality of water in streams vary from day to day, month to month, and year to year. One measure of this variability of streamflow is the percent of time that a given flow can be expected to occur. The flow of New River or Clear Fork can be expected to be about 10 cubic feet per second or greater 91 percent of the time.

Ground Water Hydrology

Ground water is obtained from rocks of Pennsylvania age. Sandstones, conglomerates, and shales are the predominant rock types. Most of the water is obtained from joints, cracks, and bedding planes in the sandstones and congomerates.

Well yields in this area range from a fraction of a gallon per minute (gpm) to over 100 gpm (fig. 1). A yield of 130 gpm is obtained from a well located near Allardt in Fentress County. Many factors influence the amount of water a well can yield, but the most important is the local occurrence of interconnected joints or crevices in the rock. These joints allow both downward and lateral movement of ground water. Large joints will yield more water than small joints, and the more numerous the joints, the greater the chance of finding an adequate supply of water. Because of the 'hit-or-miss' nature of a well entering a joint, the element of chance plays an important role in the location of a suitable supply of ground water.

The amount of water needed depends on its intended use. One gpm is generally sufficient for a family living in a house without a pump system, while an electric pump system requires at least 2 gpm. A home with all the modern appliances needs about 3 gpm. The most common minor industry in the area is raising broiler chickens. This can require a large amount of water, as latest U.S. Department of Agriculture figures show that each broiler chicken consumes 0.14 gallons each day. Expressed in a more meaningful way, 20,000 chickens require a continuous supply of 4 gpm. If the same well is to also supply a household, a minimum 6 to 10 gpm is needed in order to insure a dependable supply. Water needs by industries and cities vary naturally because of size, but most will require 20 gpm or more. This amount of water can potentially be obtained over about five percent of the South Fork of the Cumberland River Basin area.

APPENDIX III

Active Strip Mine

Daugherty and Daugherty Construction, Inc. is located northwest of Oneida, in Scott County, Tennessee. The operator is strip mining the Poplar Creek (locally called the Glen Mary or Blue Gem seam) seam, which averages about twenty-eight inches in thickness. The old strip pits, along the haul road near the entrance to the mine, were stripped in the early 1960's. The coal at this mine outcrops at 1500 feet elevation.

This mine is capable of producing twenty-thousand tons or more of coal per month. At the present time there are one hundred active strip mines operating in the State; this mine would be in the top 10% of the mines in the amount of tonnage produced.

The Glen Mary seam is irregular in thickness, ranging from less than one foot to more than six feet in thickness in Scott County. The roof (overburden) usually consists of gray to dark gray sandy shale. The shale overburden permits the operator to take larger amounts of overburden than would be possible if the overburden consisted of sandstone.

The equipment on this pit consists of two Terex front loaders (72-81) each with 10-yard capacity, two Terex front loaders (72-51) each with 4-yard capacity, one 82-80 Terex dozer, one 82-40 Terex dozer, one caterpillar 12 road grader, and one Gardner Denver 16 vertical drill.

Since the degree of slope below the coal is very low (usually less than fifteen degrees), the pit is not limited in width because of the slope. This operation can continue taking overburden until it becomes unprofitable to mine the coal. Reclamation of this pit should be no problem, since most of theoverburden is in the pit area and can be graded toward the highwall.

Abandoned Strip Mine

The reclaimed portion of this abandoned strip mine, located north of Oneida, in Scott County, Tennessee, was mined by Campbell Coal Company. The Glen Mary seam was stripped in this area in the middle 1960's, but the pits were not reclaimed when mining was completed.

In the late 1960's, Campbell Coal Company began operating in the area; the area reclaimed by Campbell Coal Company flanked by unclaimed orphan mines, gives a good example of how an area can be reclaimed in this type terrain. This reclaimed area, and the orphan mines (when reclaimed) will be used for agriculture or pasture land.

A. R. Leamon

THE GREAT SEAL OF THE STATE OF TENNESSEE
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COMMERCE
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TRIBUTARY RIVER BASINS IN TENNESSEE

Delineated as Logical Units for Water Resources Investigation, Appraisal, Development, and Management

Revised by

John M. Kernodle
Geologist, Reports Section
Tennessee Division of Water Resources

1972

In 1963 the State of Tennessee published a map showing delineations of river basins in Tennessee. Since that time, engineering changes such as new dams and channelization plus additional need for local refinements of data and the incorporation of Tennessee basin delineations with national river basin systems have necessitated a map revision. Furthermore, new and very detailed topographic maps have increased the accuracy of the determination of surface drainage areas.

Many fields of science and engineering need accurate data on streamflow which imposes special restrictions on the delineations of these drainage basins. Climate, geology, and physiography exert a strong natural influence on the hydrologic behavior of streams and man with his engineering accomplishments have further regulated streamflow. However, the criteria which governed the first selection of these drainage areas remain unchanged:

> In delineating the basin units the following criteria were considered: (1) A manageable basin size of about 300 to 800 square miles; (2) reasonably homogeneous physiography and geology within a unit; (3) compatability of units with existing water and conservation projects and organizations already active in the State; and (4) water-related problems such as concentrated population centers and urban and industrial growth trends.*

* TRIBUTARY RIVER BASINS IN TENNESSEE by J. S. Cragwall, Jr., 1963

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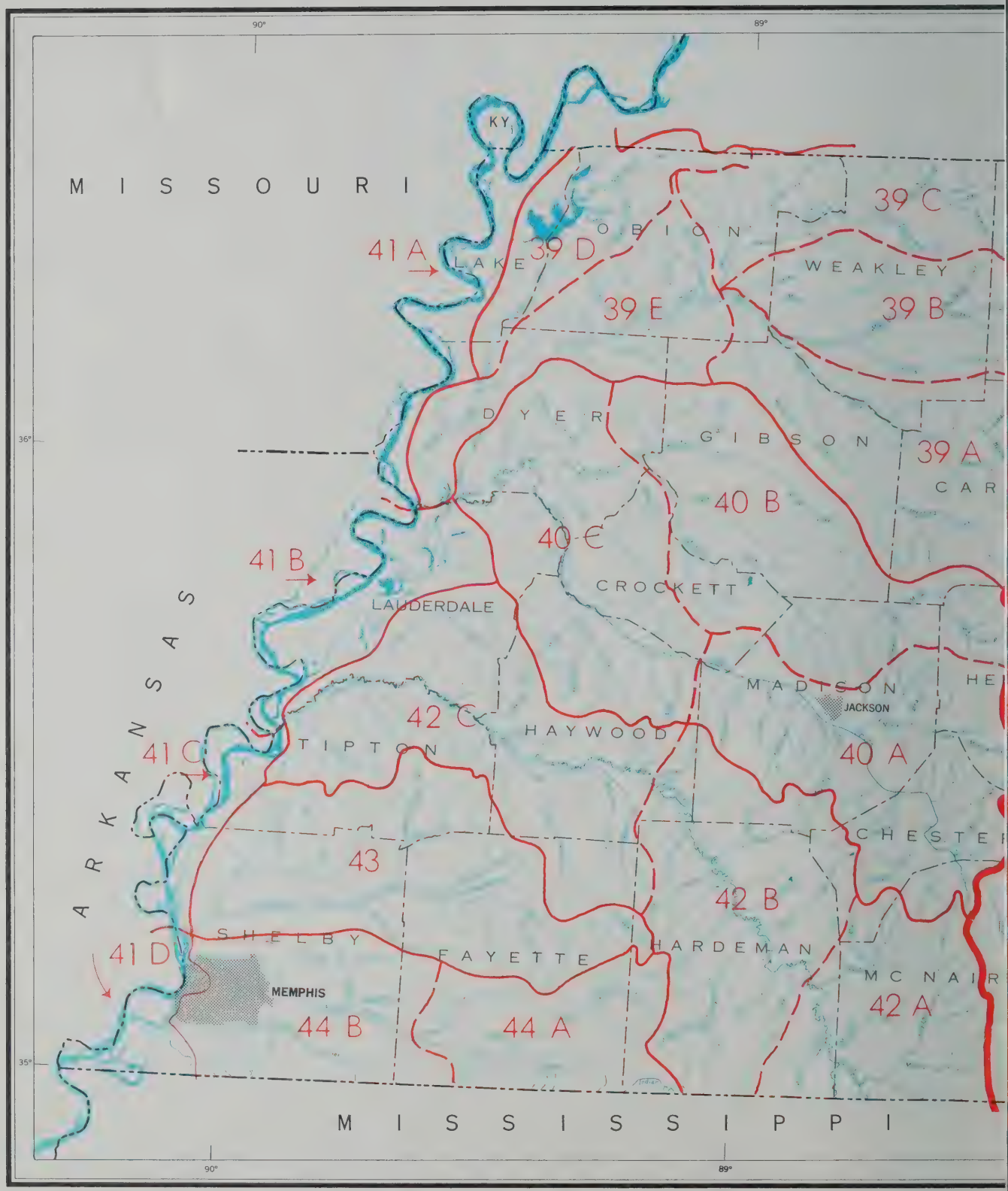
Miscellaneous Publication No. 8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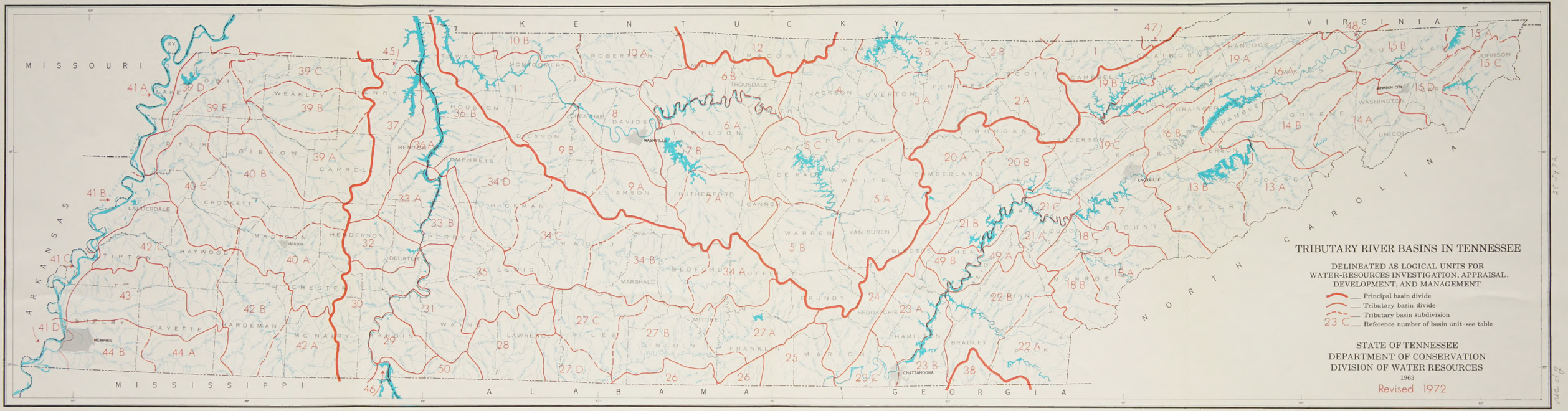

STATE OF TENNESSEE

10 0 10 20 30 40 MILES

Basin delineations by J.S. Cragwell, Jr., U.S.Geological Survey,1962

Basin delineations revised by J.M. Kernodle, Tenn. Div. of Water Resources, 1972

Basin areas revised by George H. Wood, U.S. Geological Survey, 1972

Designations and areas of tributary river basins in Tennessee

No. on map	Basin unit	Drainage area (sq mi)	Geographic area total (sq mi)	Geographic area in Tennessee (sq mi)
	CUMBERLAND RIVER BASIN			
1	Clear Fork and Jellico Creek, Tennessee-Kentucky	501	501	318
2	South Fork Cumberland River, Tennessee-Kentucky	1,382	1,382	978
2-A	New River and Clear Fork	679	679	679
2-B	South Fork Cumberland River Tennessee-Kentucky, head at confluence of New River and Clear Fork to mouth	1,382	703	299
3	Obey River, Tennessee-Kentucky	947	947	782
3-A	East and West Forks Obey River	413	413	413
3-B	Obey River, Tennessee-Kentucky, below East and West Forks	947	534	369
4	Cumberland River minor tributaries between Kentucky-Tennessee line and Caney Fork, Tennessee, but excluding Obey River	-	828	828
5	Caney Fork	2,585	2,585	2,585
5-A	Caney Fork above Great Falls Dam, excluding Collins River	1,677	885	885
5-B	Collins River	791	791	791
5-C	Caney Fork below Great Falls Dam	2,585	909	909
6	Cumberland River minor tributaries between Caney Fork and Stones River	-	1,060	1,060
6-A	South side tributaries	-	442	442
6-B	North side tributaries	-	618	618
7	Stones River	937	937	937
7-A	East and West Forks Stones River	569	569	569
7-B	Stones River below East and West Forks	937	367	367
8	Cumberland River minor tributaries between Stones River and Harpeth River	-	574	574
9	Harpeth River	866	866	866
9-A	Harpeth River above Bellevue, including Little Harpeth River	408	408	408
9-B	Harpeth River below Bellevue	866	458	458
10	Red River, Tennessee-Kentucky	1,456	1,456	767
10-A	Upper Red River and Sulphur Fork	935	935	509
10-B	Lower Red River, below Sulphur Fork	1,456	521	258
11	Cumberland River minor tributaries below Harpeth River, to Tennessee-Kentucky line, Tennessee, but excluding Red River	-	984	984
	GREEN RIVER BASIN, KENTUCKY			
12	Barren River basin, Kentucky-Tennessee	2,262	2,262	412
	TENNESSEE RIVER BASIN			
13	French Broad River in Tennessee, except Nolichucky River	5,124	1,168	1,168
13-A	From State line to Nolichucky River	2,598	398	398
13-B	From Nolichucky River to mouth	5,124	770	770
14	Nolichucky River in Tennessee	1,756	1,130	1,130
14-A	From State line to Nolichucky Dam	1,183	557	557
14-B	From Nolichucky Dam to mouth	1,756	573	573
15	South Fork Holston River, Tennessee-Virginia-North Carolina	2,048	2,048	1,229
15-A	Above South Holston Dam, Tennessee-Virginia	703	703	161
15-B	From South Holston Dam to mouth, excluding Watauga River	2,048	476	402
15-C	Watauga River above Watauga Dam, Tennessee-North Carolina	468	468	265
15-D	Watauga River from Watauga Dam, to mouth	869	401	401
16	Holston River	3,776	999	999
16-A	From confluence of North and South Forks to Cherokee Dam	3,428	651	651
16-B	From Cherokee Dam to mouth	3,776	348	348
17	Tennessee River minor tributaries, head to Ft. Loudoun Dam	-	650	650
18	Little Tennessee River basin in Tennessee	2,627	791	781
18-A	State line (Cheoah Dam) to Ninemile Creek and Tellico River	2,097	261	261
18-B	Tellico River	285	285	275
18-C	From Ninemile Creek to mouth	2,627	245	245

No. on map	Basin unit	Drainage area (sq mi)	Geographic area total (sq mi)	Geographic area in Tennessee (sq mi)
	TENNESSEE RIVER BASIN-continued.			
19	Clinch River basin in Tennessee, excluding Emory River	4,413	1,937	1,747
19-A	Clinch River, State line to Norris Dam, excluding Powell River and minor tributaries (west side), Powell River to Norris Dam	2,912	701	596
19-B	Powell River, State line to mouth, and minor Clinch River tributaries (west side), between Powell River and Norris Dam	1,066	600	515
19-C	Clinch River, Norris Dam to mouth, excluding Emory River	4,413	636	636
20	Emory River basin	865	865	865
20-A	Obed River	520	520	520
20-B	Emory River, excluding Obed River	865	345	345
21	Tennessee River minor tributaries, Ft. Loudoun Dam to Watts Bar Dam, excluding Little Tennessee and Clinch Rivers	-	717	717
21-A	South and east-side tributaries below Clinch River	-	256	256
21-B	West-side tributaries below Clinch River	-	365	365
21-C	North-side tributaries above Clinch River	-	96	96
22	Hiwassee River basin in Tennessee	2,700	1,215	1,215
22-A	From Appalachia Dam to below Ocoee River	2,001	516	516
22-B	From below Ocoee River to mouth	2,700	699	699
23	Tennessee River minor tributaries, Hiwassee River to Sequatchie River	-	1,500	846
23-A	North side tributaries to below North Chickamauga Creek	-	380	380
23-B	South side tributaries to below South Chickamauga Creek	-	634	252
23-C	Tributaries, both sides, from below South Chickamauga Creek to Sequatchie River	-	486	214
24	Sequatchie River	605	605	605
25	Tennessee River minor tributaries, northside, Sequatchie River to below Crow Creek, Tennessee-Alabama	-	535	326
26	Tennessee River minor tributaries, north side, from below Crow Creek to above Elk River, Tennessee-Alabama	-	2,164	212
27	Elk River basin, Tennessee-Alabama	2,249	2,249	1,999
27-A	Head to above Beans Creek	569	569	569
27-B	From above Beans Creek to above Richland Creek	1,295	726	726
27-C	Richland Creek	488	488	488
27-D	From below Richland Creek to mouth	2,249	466	216
28	Tennessee River minor tributaries, north side, Elk River to below Shoal Creek, Tennessee-Alabama	-	776	504
29	Tennessee River minor tributaries, east side, Pickwick Landing Dam to below Horse Creek	-	241	241
30	Tennessee River minor tributaries, west side Pickwick Landing Dam to above Beech River, Tennessee-Alabama	-	650	612
31	Tennessee River minor tributaries, east side, from below Horse Creek to below Cypress Creek	-	534	534
32	Beech River	302	302	302
33	Tennessee River minor tributaries, from below Beech River to below Birdsong Creek	-	482	482
33-A	West side tributaries	-	303	303
33-B	East side tributaries	-	179	179
34	Duck River basin, excluding Buffalo River	3,500	2,736	2,736
34-A	Head to below Flat Creek, 2 miles west of Shelbyville	481	481	481
34-B	From below Flat Creek to Columbia	1,208	727	727
34-C	From Columbia to Centerville	2,048	840	840
34-D	From Centerville to mouth, excluding Buffalo River	3,500	688	688
35	Buffalo River	764	764	764
36	Tennessee River minor tributaries, from below Birdsong Creek to above Big Sandy River on west side and to Kentucky line on east side	-	646	646
36-A	West side tributaries	-	176	176
36-B	East side tributaries	-	470	470
37	Big Sandy River	629	629	629
45	Tennessee River minor tributaries, west side, from Big Sandy River to Kentucky line in Tennessee	-	56	56

No. on map	Basin unit	Drainage area (sq mi)	Geographic area total (sq mi)	Geographic area in Tennessee (sq mi)
	TENNESSEE RIVER BASIN-continued.			
46	Tennessee River minor tributaries, west side, Shoal Creek to Pickwick Landing Dam in Tennessee	-	16	16
47	Yellow Creek, Tennessee-Kentucky	103	103	14
48	North Fork Holston River, Virginia-Tennessee	729	729	25
49	Tennessee River minor tributaries, Watts Bar Dam to Hiwassee River	-	363	363
49-A	West side tributaries	-	171	171
49-B	East side tributaries	-	192	192
50	Tennessee River minor tributaries, north side, Shoal Creek to Pickwick Landing Dam	-	532	146
	CONASAUGA RIVER BASIN, GEORGIA			
38	Conasauga River basin, Georgia-Tennessee	727	727	127
	WEST TENNESSEE--LOWER MISSISSIPPI RIVER BASIN			
39	Obion River basin, excluding Forked Deer River, Tennessee-Kentucky	4,554	2,471	2,326
39-A	Obion River above North Fork but excluding Middle Fork and Mud Creek	1,157	732	732
39-B	Middle Fork Obion River and Mud Creek	426	426	426
39-C	North Fork Obion River	578	578	492
39-D	Running Reelfoot Bayou	318	318	259
39-E	Obion River from North Fork to mouth, excluding Forked Deer River and Running Reelfoot Bayou	4,554	418	418
40	Forked Deer River basin	2,082	2,082	2,082
40-A	South Fork Forked Deer River above Madison-Haywood County line	680	680	680
40-B	North and Middle Forks Forked Deer at confluence	728	728	728
40-C	Forked Deer basin, excluding 40-A and 40-B	2,082	674	674
41	Mississippi Alluvial Valley in Tennessee	-	637	637
41-A	Mississippi River above Obion River*	-	156	156
41-B	Obion River to Hatchie River	-	235	235
41-C	Hatchie River to Loosahatchie River	-	148	148
41-D	Below Loosahatchie River, excluding Wolf River, Nonconnah Creek, and Yazoo River	-	98	98
42	Hatchie River basin, Tennessee-Mississippi	2,609	2,609	1,876
42-A	Above Searles, including Little Hatchie Creek	1,144	1,144	424
42-B	Searles to Hillsville	1,784	640	628
42-C	Hillsville to mouth	2,609	825	825
43	Loosahatchie River	742	742	742
44	Wolf River and Nonconnah Creek, Tennessee-Mississippi	999	999	720
44-A	Upper Wolf River to below Shaws Creek	562	562	319
44-B	Lower Wolf River and Nonconnah Creek	999	437	401

* Excludes 5 sq mi. of minor tributaries into Kentucky

STATE OF TENNESSEE
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